RHÔNE-POULENC

Contains NO CBI

RHÔNE-POULENC INC.
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October 27, 1992

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Attn: Section 8(e) Coordinator (CAP Agreement)
Office of Toxic Substances
US Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

RE: Report Submitted Pursuant to the TSCA Section 8(e) Compliance Audit Program

CAP ID NO.: 8ECAP - 0004

RP CAP REPORT NO.: RPS-0387

Dear Sir/Madam:

On behalf of Rhône-Poulenc Inc. (RPI, CN 5266, Princeton, NJ 08543-5266) and its subsidiaries, the attached report is being submitted to the Environmental Protection Agency (EPA) pursuant to the Toxic Substances Control Act (TSCA) Section 8(e) Compliance Audit Program (CAP Agreement) executed by RPI and EPA.

The enclosed report provides information on the following chemical substances:

Product Name:	Trimethylolpropane ethoxytriacrylate (Coded as C-661 or TMPEOTA)
CAS Registry No.:	28961-43-5
CAS Registry Name:	Poly(oxy-1,2-ethanediyl), α-hydro-w-[(1-oxo-2-propenyl)oxy]-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)
Product Name:	Glyceryl Propoxy Diacrylate (Coded as C-662 or GPDA)
CAS Registry No.:	Unknown
CAS Registry Name:	Unknown
Product Name:	Glyceryl Propoxy Triacrylate (Coded as C-663 or GPTA)
CAS Registry No.:	52408-84-1
CAS Registry Name:	Poly[oxy(methyl-1,2-ethanediyl)], α, α', α"-1,2,3-propanetriyltris[ω-[(1-oxo-2-propenyl)oxy]-

The title of the enclosed report is:

An Oral Teratology Screening Study In Rats

2/24/95

The following is a summary of the adverse effects in this report:

> Potential maternal, embryotoxic, and teratogenic effects of C-661, C-662, and C-663 were evaluated in this study with rats. Each test material was administered orally in corn oil at a dose level of 1000 mg/kg/day from gestation days (GD) 6 through 15 (30 rats/group). A control group of 30 rats received corn oil at the volume dose of 10 ml/kg/day.
>
> Each of the compounds caused a small decrease in mean maternal body weight gain over the treatment period. No significant differences in litter parameters were observed. Fetal examination revealed five malformed fetuses in the C-662 group, two in the C-661 group, and one in the C-663 group. Malformations observed in the C-661 and C-663 groups were of a single incidence. The malformations observed in the C-662 group also occurred in a single incidence except for two fetuses with thread-like tail and anal atresia. Although all of the observed malformations are known to occur spontaneously in the rat, the occurrence of five malformed fetuses from five different litters in the C-662 group was well above the incidence of the laboratory's historical control data. No other findings for the fetuses were reported in this study.

RPI does not claim any portion of the information in this submission to be TSCA confidential business information (TSCA CBI). RPI has not previously submitted any TSCA Section 8(e) notices or premanufacture notifications on the subject chemical substances. Several other submissions on GPTA and TMPEOTA will be made under the CAP.

On August 15, 1985, Celanese submitted to EPA all available toxicity data on the multifunctional acrylates. However, RPI does not have a detailed list in our records of the reports that were submitted. Therefore, RPI is submitting three copies of each report and this cover letter: an original and two copies.

Further questions regarding this submission may be directed to Dr. Glenn S. Simon, Director of Toxicology, at 919-549-2222 (Rhône-Poulenc, P. O. Box 12014, 2 T. W. Alexander Drive, Research Triangle Park, NC 27709).

Sincerely,

Charles E. Moyer, Jr., Ph.D.
Director, Product Safety
(609) 860-3589

Contains NO CBI

CAP ID No. S-LT-PW- 0083 0084 0085
Reviewed for Sec. 8 (e)
Compliance Program
On 10/8/91 By PW

Project Number: WIL-62002

Sponsor: Celanese Corporation
1211 Avenue of the Americas
New York, New York 10036

An Oral Teratology Screening Study in Rats

FINAL REPORT

Date of Issuance:

December 11, 1984

C 661 TMPEDTA
C 662 GPDA
C 663 GPTA

An Oral Teratology Screening Study in Rats

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An Oral Teratology Screening Study in Rats

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A. WIL Historical Control Data (Charles River COBS® CD® Rats)

An Oral Teratology Screening Study in Rats

I. SUMMARY

Potential maternal, embryotoxic and teratogenic effects of C-661, C-662 and C-663 were evaluated in this study with rats. Each test material was administered orally, admixed in Mazola® corn oil, to one group of 30 bred Charles River COBS® CD® rats at a dosage level of 1000 mg/kg/day, from gestation days 6 through 15, inclusive. For comparative purposes, one control group, also consisting of 30 bred rats, received the corn oil vehicle on a comparable regimen, at 10 ml/kg. Throughout gestation, all rats were observed twice daily for signs of toxicity. Body weights were recorded at appropriate intervals. All surviving animals were sacrificed on gestation day 20 for the scheduled Cesarean section. Fetuses were sexed, weighed and examined for external, skeletal and soft tissue anomalies and developmental variations.

Toxic effects, revealed in the general physical condition and behavior of the animals, were observed in all three test material groups, expressed primarily by salivation prior to and following dosing and urogenital matting. Mean body weight gains were significantly reduced in all three test material groups over the entire treatment period.

No embryotoxic effects were apparent in any of the test material groups. Developmental variations were not remarkably different between the control and test material groups. No statistically significant or biologically meaningful differences occurred between the control, C-661 and C-663 groups regarding the occurrence of malformations. A sporadic but statistically significant increase in several dissimilar malformations occurred in the C-662 group, involving five fetuses in separate litters. The biological significance of the increase in malformations, in the presence of siginificant maternal toxicity, is unclear.

Based on these data, it was concluded that C-661 and C-663 produced substantial maternal toxicity at a dose level of 1000 mg/kg/day, but did not induce a teratogenic or embryotoxic effect when administered orally to Charles River COBS® CD® pregnant rats. The results in this study are equivocal regarding teratogenicity of C-662 at this maternally toxic dose level.

II. INTRODUCTION

This report presents the data from "An Oral Teratology Screening Study in Rats," in which three separate test materials were administered throughout the period of major organogenesis. The study, designated WIL-62002, was conducted in compliance with the protocol and protocol amendments as approved by the Sponsor, the Standard Operating Procedures of WIL Research Laboratories, Inc., and the Good Laboratory Practice Regulations. Procedures, results and an interpretation of the findings of the experiment are described herein.

The study was initiated with the assignment of mated rats to treatment groups of July 17, 1984 and concluded with the last Cesarean section on August 10, 1984.

III. OBJECTIVE

The objective of the study was to determine the potential embryotoxic and teratogenic effects of the test materials (C-661, C-662 and C-663) in Sprague-Dawley COBS® CD® rats. Three test material groups and a concurrent control group consisting of 30 bred females each were chosen based on the results of a range-finding study conducted previously in this laboratory[1]. The test dosage (1000 mg/kg/day) was selected since it was anticipated to induce some degree of maternal toxicity but one which would not likely affect maternal survival.

The animal model, Sprague-Dawley COBS® CD® rats, was selected on the basis of availability of historical control data and susceptibility of the species to known teratogenic agents.

IV. STUDY DESIGN

A diagrammatic representation of the experimental design is presented below in Figure 1.

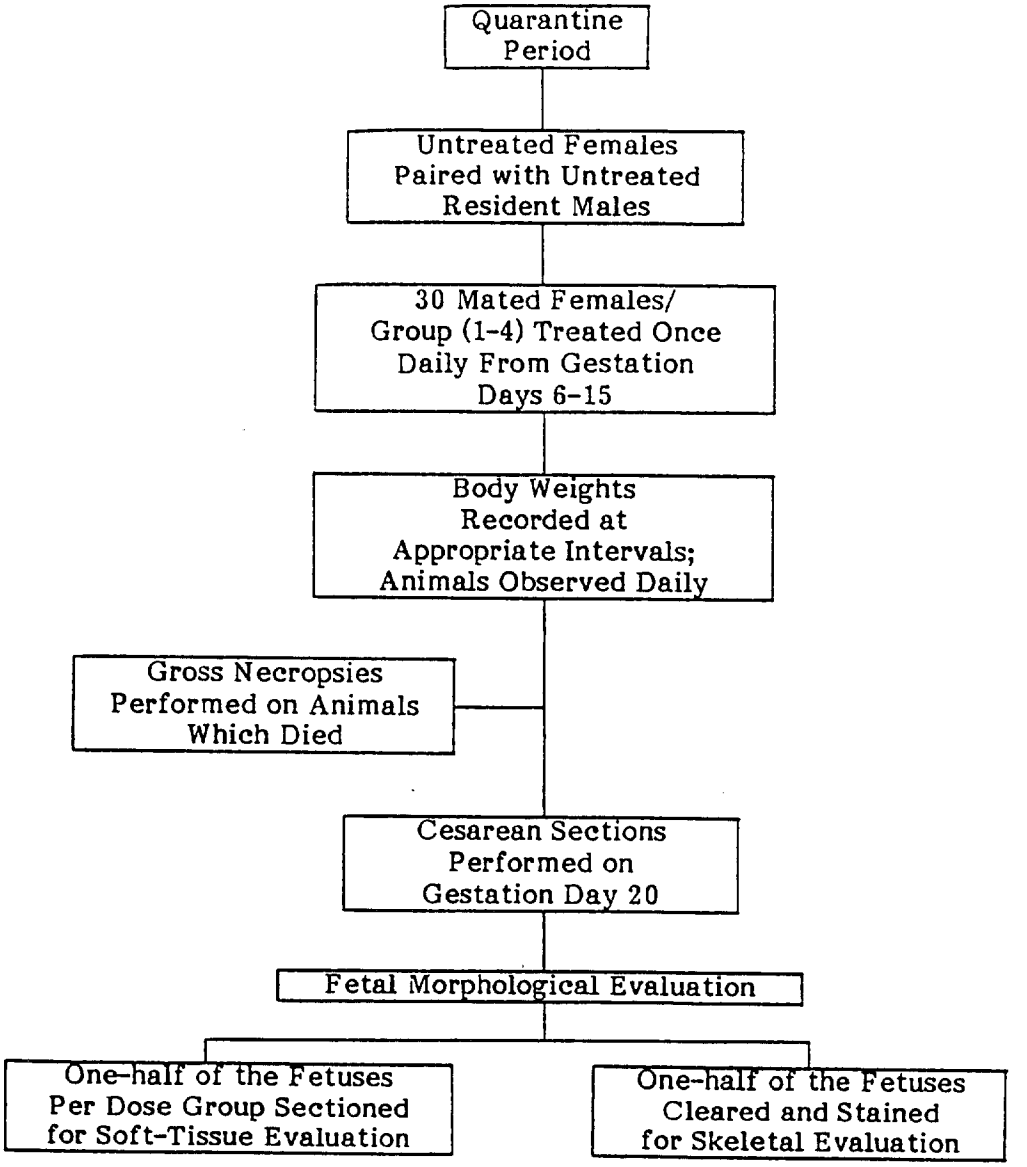

Figure 1

V. EXPERIMENTAL DESIGN - MATERIALS AND METHODS

A. ANIMAL RECEIPT AND QUARANTINE

One hundred fifty virgin female Sprague-Dawley COBS® CD® rats were received from Charles River Breeding Laboratories, Inc., Portage, Michigan, on June 28, 1984. The animals were 72 days old upon receipt; each animal was examined by a qualified technician. Animals considered suitable for study were uniquely identified by a metal ear-tag displaying the animal number and were individually housed in suspended wire-mesh cages for a minimum quarantine period of 14 days. During quarantine, individual body weights were recorded twice and the animals were observed twice daily for mortality and any changes in general appearance or behavior.

B. ANIMAL HOUSING

Upon arrival and until pairing, all animals were individually housed in clean, wire-mesh cages suspended above cage-board; nesting material was not required as the females were sacrificed prior to expected parturition. The animals were paired for mating in the home cage of the male. Following positive identification of mating, the females were returned to an individual suspended wire-mesh cage.

C. DIET, DRINKING WATER AND MAINTENANCE

The basal ration used in this study was Purina® Certified Rodent Chow® #5002. The diet utilized at WIL Research Laboratories, Inc., is a certified feed with appropriate analyses performed and provided by the manufacturer. Tap water supplying the facility is sampled twice yearly for contaminants according to Standard Operating Procedures. The results of these analyses are maintained at WIL Research Laboratories, Inc. The basal diet in block form, and drinking water delivered by an automatic watering system, were provided ad libitum throughout the quarantine period and during the study.

All animals were maintained by the animal husbandry staff in accordance with the Standard Operating Procedures of WIL Research Laboratories, Inc.

D. ENVIRONMENTAL CONDITIONS

All animals were housed throughout the acclimation period and during the study in an environmentally controlled room. Controls were set to maintain temperature at 72° ± 3°F, relative humidity at 40% + and light timers were calibrated to provide a 12-hour light/12-hour dark photoperiod. Room temperature and relative humidity were recorded daily. The animal facilities at WIL

Research Laboratories, Inc., are accredited by the American Association for Accreditation of Laboratory Animal Care (AAALAC).

E. ASSIGNMENT OF ANIMALS TO TREATMENT GROUPS AND BREEDING PROCEDURES

At the conclusion of the quarantine period all available females were weighed and examined in detail for physical abnormalities. At the discretion of the Study Director, animals judged to be in good health and meeting acceptable body weight requirements (> 220 g) were placed in a suspended wire-mesh cage with a resident male from the same strain and source for breeding. A breeding record containing the male and female identification numbers and the date of cohabitation was prepared. The selected females were approximately 13 weeks old when paired for breeding. Body weight values ranged from 225 g to 297 g on day 0 of gestation.

Positive evidence of mating was confirmed by the presence of a copulatory plug. Each mating set was examined daily. The day on which evidence of mating was identified was termed day 0 of gestation and the animals were separated.

The bred females were consecutively assigned in a block design to groups containing 30 rats each. The experimental design for WIL-62002 consisted of three treated groups and one control group. The following randomization procedure was used. On a given day, the first mated female and the appropriate gestation day 0 designation were entered on the form and the female was assigned to group 1, the second mated female was assigned to group 2, and the third to group 3, etc. This process was continued daily until 30 females had been placed into each group.

F. TEST AND CONTROL MATERIALS

1. IDENTIFICATION OF TEST MATERIALS

The test articles were received from Celanese Chemical Company, Dallas, Texas, as follows:

Date Received	Label Identification	No. of Containers Received	Gross Weight	Description
May 18, 1984	C-661 Inhibited	One bottle	796.9 g	Colorless Liquid
May 25, 1984	C-662	One bottle	499.5 g	Yellow Liquid
May 18, 1984	C-663 Inhibited	One bottle	744.7 g	Colorless Liquid

The purity of each test substance is the responsibility of the Sponsor. The stability of each test substance has been determined to be 12 months if stored at room temperature. In addition, with C-661 and C-663, prolonged exposure to light and exposure to free radical initiators and oxidizing agents must be avoided.

2. VEHICLE CONTROL MATERIAL IDENTIFICATION

The vehicle control material utilized in preparation of the test mixtures was Mazola® corn oil manufactured by Best Foods, CPC International, as indicated below:

Label Identification	Lot Number	Description
Mazola® 100% Pure Corn Oil	May 14 85	Yellow, Viscous Liquid

G. PREPARATION OF TEST MATERIALS

A specified amount of the test material for each dose group was weighed (not adjusted for purity), and transferred to a volumetric flask which was first coated with the Mazola® corn oil vehicle, using a series of vehicle rinses. Vehicle was then added in sufficient quantity to achieve the appropriate concentration for each group. The flasks were inverted and manually shaken several times prior to stirring. The mixtures were stirred continuously for 5 minutes until homogenous using a magnetic stir plate and bars. The mixtures were prepared fresh daily and stirred prior to dispensing. A magnetic stir plate and bars were also utilized during dose administration to ensure adequate mixture. A total volume of 100 ml per test group was prepared daily during the course of the study. The bulk chemical was stored at room temperature. A reserve one-gram sample of each test article was taken at the initiation and completion of dosing and stored in the Archives at WIL Research Laboratories, Inc.

H. ADMINISTRATION OF TEST AND CONTROL MATERIALS

The test mixtures were administered orally by gastric intubation via a 16-gauge stainless steel gavage needle[2] as a single daily dose for 10 consecutive days, from day 6 to 15 of gestation, inclusive. A dosage volume of 10 ml/kg was used for all dosage levels. The control animals received Mazola® corn oil on a comparable regimen at a dose volume of 10 ml/kg. Individual dosages were based on the most recent body weights, collected on days 6, 9 and 12 of gestation to provide the correct mg/kg dose.

The following diagram presents the study group assignment.

Group Number	No. of Mated Rats	Test Substance	Concentration (mg/ml)	Dosage Volume (ml/kg/day)	Dosage Level (mg/kg/day)
1	30	Corn Oil	0	10	0
2	30	C-661	100	10	1000
3	30	C-662	100	10	1000
4	30	C-663	100	10	1000

I. MATERNAL OBSERVATIONS DURING GESTATION

1. CLINICAL OBSERVATIONS AND SURVIVAL

Detailed clinical observations were recorded individually from days 0 through 20 of gestation. All rats were examined daily for appearance and behavior prior to dosing, pharmacotoxic signs following dosing, moribundity and mortality. A gross necropsy was performed on animals found dead prior to study completion.

2. BODY WEIGHTS

Maternal body weights for all females were recorded individually on gestation days 0, 6, 9, 12, 16, and 20. Mean body weights were calculated for each of these days. Mean body weight changes were calculated for each corresponding interval of gestation and additionally, for days 6-16, 16-20 and 0-20.

J. GESTATION DAY 20 CESAREAN SECTION DATA

All animals were sacrificed by carbon dioxide asphyxiation on gestation day 20. The abdominal and thoracic cavities were opened by a ventral mid-line incision and the contents were examined. In all instances, the postmortem findings were correlated with the antemortem comments and any abnormalities were recorded. The uterus and ovaries were then exposed and the number of corpora lutea on each ovary was recorded. The uterus was opened and the number and location of viable and nonviable fetuses, early and late resorptions and the total number of implantation sites were recorded. The individual uterine distribution was documented using the following procedure. All implantation sites, including resorptions, were numbered in consecutive fashion beginning with the left distal to the left proximal uterine horn noting the position of the cervix and continuing from the right proximal to the right distal uterine horn. The carcasses of the dams were then discarded.

Uteri with no evidence of macroscopic implantation were excised, opened and placed in 10% ammonium sulfide solution for detection of early implantation loss as described by Salewski.[3]

K. TERATOLOGIC EVALUATION

Each viable fetus was weighed individually, sexed and tagged for identification. Fetal tags contained the female number and denoted the location of each fetus within the uterus. A detailed external examination of each fetus was conducted and included, but was not limited to, an examination of the eyes, palate, and external orifices and each finding was recorded. Approximately one-half of the fetuses from each dam were placed in Bouin's fixative for subsequent soft tissue examination by the Wilson[4] sectioning technique. The remaining one-half of the fetuses were eviscerated and fixed in 95% isopropyl alcohol. Following fixation in alcohol, each fetus was macerated in potassium hydroxide and stained with Alizarin Red S by a method similar to that decided by Dawson.[5] The skeletal examination was conducted utilizing low power magnification provided by a stereomicroscope as necessary. External, visceral and skeletal findings were recorded as developmental variations or malformations.

L. STATISTICAL METHODS

All analyses were conducted using two-tailed tests for a minimum significance level of 5% comparing the treated groups to the control group; all means are presented with standard deviations. The number of animals (N) used to calculate the means is provided on the individual data tables. All statistical tests are performed by a Digital Computer with appropriate programming and referenced as follows:

1. The fetal sex ratios were compared by the Chi-square test[6] with Yates' correction factor.
2. The number of litters with malformations and developmental variations were compared by Fisher's Exact Test.[6]
3. The numbers of early and late resorptions, dead fetuses and postimplantation losses were compared by the Mann-Whitney U-test.[6]
4. Mean numbers of corpora lutea, total implantations, viable fetuses, mean fetal and maternal body weights, and maternal body weight gain at each interval were analyzed by a one-way analysis of variance, and Dunnett's test.[7]

M. DATA RETENTION

All raw data generated during the conduct of this investigation, including that information stored and processed by WIL's Computer Data Management System, reserve samples of the test material and a copy of the final report will be retained in the Archives at WIL Research Laboratories, Inc. Upon acceptance of the final report, all specimens will be shipped to Celanese Corporation for storage.

VI. RESULTS

A. CLINICAL OBSERVATIONS AND SURVIVAL

Summary Survival and Pregnancy Status: Table 1

Survival was 100% in the control and C-663 groups. Two rats (no. 12516 and no. 12432) in the C-661 group died due to an intubation error. Labored respiration was observed prior to death for these two animals. At necropsy, the trachea and esophagus were injured and test material was present in the lungs or thoracic cavity. Animal no. 12493 in the C-662 group died on gestation day 16. Due to an advanced degree of autolysis the cause of death could not be established. Antemortem observations were not remarkably different from the two rats in the C-661 group and included labored respiration. Based on similar antemortem observations for all three rats dying in this study, the death in the C-662 group may also be the result of an intubation error.

Clinical signs of toxicity, expressed by salivation prior to and following dosing, were observed in the test material groups only. Urogenital matting and hair loss from various body surfaces occurred at a higher incidence in the test material groups.

B. BODY WEIGHTS

Summary Data: Tables 2, 3

Individual Data: Tables 7, 8

A slight decrease in mean body weight gain was observed in each treated group during the first three days of treatment, gestation days 6-9. A slight decrease in mean body weight gain was also observed in the C-661 group during the last days of the treatment period, gestation days 12-16. For the same interval, mean body weight gains were significantly decreased in the C-662 and C-663 groups. Over the entire treatment period, gestation interval 6-16, mean body weight gains were significantly decreased in all test material groups.

C. GESTATION DAY 20 CESAREAN SECTION DATA

Summary Data: Table 4

Individual Data: Tables 9, 10, 11

There were no biologically meaningful or statistically significant differences concerning the mean numbers of viable fetuses, early or late resorptions, postimplantation loss, implantation sites or corpora lutea between the control and all test material groups. The mean fetal weights and fetal sex ratios were

not affected by treatment. There were no gross internal morphological changes among the dams at the terminal sacrifice which could be considered treatment-induced. Sporadic findings such as renal infarct, white foci in the renal cortex or thickened gastic mucosa were observed in the test material groups and are not uncommon for rats of this strain and age.

D. FETAL MORPHOLOGICAL DATA

Summary Data: Tables 5, 6

Individual Data: Tables 12, 13, 14

Historical Control Data: Appendix A

Two malformed fetuses occurred in the C-661 group, one in the C-663 group and five in the C-662 group. The malformations observed in the C-661 and C-663 groups were of single incidence and dissimilar. The same was also true for malformations observed in the C-662 group with the exception of two fetuses from different litters with a thread-like tail and anal atresia. Another fetus from a separate litter in this group had multiple anomalies, including a thread-like tail with anal atresia. All malformations observed are known to occur spontaneously in this strain of rat. However, the total incidence of five malformed fetuses in five separate litters from a total of 23 litters in the C-662 group, is significant and well above the frequency observed in the historical control data.

Developmental variations occurred with similar frequency between the control and test material groups with one exception. A significant decrease occurred in the number of litters with fetuses having the 5th and 6th sternebrae unossified in the C-663 group. This decrease is not considered biologically meaningful and is attributed to random occurrence.

VII. DISCUSSION AND CONCLUSION

Toxic effects, revealed in the general physical condition and behavior of the animals, such as salivation prior to and following dosing and a high incidence of urogenital matting and hair loss from various body surfaces, were observed in all three test material groups. Three deaths in this study, two in the C-661 group and one in the C-662 group, were not considered treatment-related. Statistically reduced mean body weight gains occurred in all three test material groups over the entire treatment period, gestation days 6-16.

Assessment of the data obtained at Cesarean section revealed no biologically meaningful or statistically significant differences between the control and all test material groups, regarding the mean numbers of viable fetuses, early or late resorptions, postimplantation loss, implantation sites, corpora lutea, mean fetal weights or fetal sex ratios. There were no gross internal morphological changes among the dams at the terminal sacrifice which could be considered treatment-related.

Developmental variations were not remarkably different between the control and test material groups. No statistically significant or biologically meaningful differences occurred between the control, C-661 and C-663 groups regarding the occurrence of malformations. Based on the results obtained from this study, C-661 and C-663 produced observable maternal toxicity at a dose level of 1000 mg/kg/day but did not induce a teratogenic or embryotoxic effect when administered orally to Charles River COBS® CD® pregnant rats.

C-662 also did not produce embryotoxicity at a dose level of 1000 mg/kg/day, but the data regarding teratogenicity are considered equivocal. A statistically significant increase in the number of litters containing single malformed fetuses was observed in C-662 treated rats. The biological significance of this increase in malformations in the presence of significant maternal toxicity, however, is unclear with data from only one dose level, even though the pattern of malformations is not one typically observed with classic teratogens.

On the basis of one dose level tested, there is insufficient evidence to clearly interpret the data regarding the teratogenicity of C-662.

Dean E. Rodwell, M.S.
Study Director

12/11/90
Date

VIII. PERSONNEL AND REPORT SUBMISSION:

Study Supervisors:

Sally A. Keets — 12/11/84
Sally A. Keets, A.S.
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Elaine J. Tasker — 12/11/84
Elaine J. Tasker, B. S.
Supervisor, Technical Reports
and Scientific Advisor

Approved and Submitted by:

Dean E. Rodwell — 12/11/84
Dean E. Rodwell, M.S.
Study Director
Vice President
Teratology and Reproduction

An Oral Teratology Screening Study in Rats

IX. QUALITY ASSURANCE UNIT STATEMENT

Dates of Inspection(s)	Date(s) Findings Reported to Study Director
July 16-17, 1984	September 5, 1984
July 18, 1984	September 5, 1984
July 23, 1984	July 25, 1984
August 6, 1984	August 7, 1984
August 6, 1984	August 10, 1984
September 6, 1984	September 10, 1984
October 9, 1984	October 17, 1984
December 8-10, 1984	December 11, 1984

This study was inspected in accordance with the Good Laboratory Practice Regulations and the Standard Operating Procedures of WIL Research Laboratories, Inc. The study was conducted in compliance with Good Laboratory Practice Regulations, the Standard Operating Procedures of WIL Research Laboratories, Inc., and the sponsor's protocol. To the best of the signatory's knowledge there were no significant deviations from the Good Laboratory Practice Regulations which affected the quality or integrity of the study. Quality Assurance findings, derived from the inspection(s) during the conduct of the study and from the inspection of the final report, are documented and have been reported to the study director. A status report is submitted to management monthly.

The raw data and a copy of the final report will be kept in the archives at WIL Research Laboratories, Inc.

Ralph Anderson
Ralph Anderson, B.S.
Director - Quality Assurance

12/11/84
Date

An Oral Teratology Screening Study in Rats

X. REFERENCES

1. Maternal Tolerance Screen in Rats, WIL-62001, WIL Research Laboratories, Inc., Ashland, Ohio, August, 1984.

2. Biomedical Feeding Needles for rats were obtained from Popper and Sons, Inc., New Hyde Park, New York 11040.

3. Salewski (Köln), V. E. Färbemethode zum makroskopischen Nachweis Von Implantations stellen am Uterus der Ratte, Naunyn - Schm. Archiv. Fur Exper. Pathologie und Pharm., 247:367, 1964.

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5. Dawson, A. B., A Note on the Staining of the Skeleton of Cleared Specimens with Alizarin Red S, Stain Technol., 1: 123-124, 1926.

6. BMDP - 79 Biomedical Computer Programs, University of California Press, Berkeley, California, 1979. pp. 612, 780, 781.

7. Steel, R. G. D. and Torrie, J. H., Principles and Procedures of Statistics, McGraw Hill, New York, New York, 1960. pp. 106, 107, 114.

WIL-62002
Celanese Corporation

An Oral Teratology Screening Study in Rats

TABLES 1-17

TABLE 1

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. SUMMARY OF MATERNAL SURVIVAL AND PREGNANCY STATUS

DOSE GROUP	1		2		3		4	
	NO.	%	NO.	%	NO.	%	NO.	%
FEMALES ON STUDY	30		30		30		30	
FEMALES THAT ABORTED/DELIVERED	0	0.0	0	0.0	0	0.0	0	0.0
FEMALES THAT DIED	0	0.0	2	6.7	1	3.3	0	0.0
FEMALES THAT ABORTED	0	0.0	0	0.0	0	0.0	0	0.0
NON GRAVID	0	0.0	1	50.0	0	0.0	0	0.0
GRAVID	0	0.0	1	50.0	1	100.0	0	0.0
FEMALES EXAMINED AT LAPAROTOMY	30	100.0	28	93.3	29	96.7	30	100.0
NON GRAVID	3	10.0	1	3.6	6	20.7	4	13.3
GRAVID	27	90.0	27	96.4	23	79.3	26	86.7
RESORPTIONS ONLY	0	0.0	0	0.0	0	0.0	0	0.0
DAMS WITH VIABLE FETUSES	27	100.0	27	100.0	23	100.0	26	100.0
FEMALES THAT WERE GRAVID	27	90.0	28	93.3	24	80.0	26	86.7

1- 0.0 MG/KG/DAY 2-C-661(1000MG/KG) 3-C-662(1000MG/KG) 4-C-663(1000MG/KG)

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 2
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
MEAN BODY WEIGHTS (GRAMS) DURING GESTATION

DOSE GROUP:	0.0 MG/KG/DAY	C-661(1000MG/KG)	C-662(1000MG/KG)	C-663(1000MG/KG)
DAY 0	255.	258.	259.	257.
DAY 6	281.	285.	287.	283.
DAY 9	288.	291.	292.	287.
DAY 12	303.	304.	306.	301.
DAY 16	333.	328.	328.	323.
DAY 20	393.	385.	388.	384.

NONE SIGNIFICANTLY DIFFERENT FROM THE CONTROL GROUP USING DUNNETT'S TEST

TABLE 3

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. MEAN BODY WEIGHT CHANGES (GRAMS) DURING GESTATION

DOSE GROUP:	0.0 MG/KG/DAY	C-661(1000MG/KG)	C-662(1000MG/KG)	C-663(1000MG/KG)
DAY 0- 6	26.	27.	28.	26.
DAY 6- 9	8.	6.	5.	4.
DAY 9- 12	15.	13.	14.	14.
DAY 12- 16	30.	24.	22.*	22.*
DAY 16- 20	60.	58.	61.	61.
DAY 6- 16	53.	43.**	41.**	40.**
DAY 0- 20	138.	127.	130.	127.

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP AT .05 LEVEL USING DUNNETT'S TEST

** = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP AT .01 LEVEL USING DUNNETT'S TEST

MEAN DIFFERENCES CALCULATED FROM INDIVIDUAL DIFFERENCES

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 4
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
SUMMARY OF MEAN FETAL DATA AT TIME OF LAPAROTOMY

GRP.		SEX M	SEX F	VIABLE FETUSES	DEAD FETUSES	EARLY RESORPTIONS	LATE RESORPTIONS	POST IMPL. LOSS	IMPLANTATION SITES	CORPORA LUTEA	FETAL WEIGHTS
1	TOTAL	190	195	385	0	19	2	21	406	448	NA
	MEAN	7.0	7.2	14.3	0.0	0.7	0.1	0.8	15.0	16.6	3.5
	S.D.	2.7	2.2	2.9	0.0	1.2	0.3	1.2	2.7	2.0	0.3
2	TOTAL	178	195	373	0	21	0	21	394	439	NA
	MEAN	6.6	7.2	13.8	0.0	0.8	0.0	0.8	14.6	16.3	3.6
	S.D.	2.3	2.1	2.4	0.0	0.8	0.0	0.8	2.3	1.5	0.3
3	TOTAL	155	166	321	0	12	0	12	333	382	NA
	MEAN	6.7	7.2	14.0	0.0	0.5	0.0	0.5	14.5	16.6	3.7
	S.D.	2.6	2.2	3.3	0.0	0.7	0.0	0.7	3.4	2.4	0.2
4	TOTAL	190	175	365	0	20	1	21	386	419	NA
	MEAN	7.3	6.7	14.0	0.0	0.8	0.0	0.8	14.8	16.1	3.6
	S.D.	3.0	2.0	2.7	0.0	1.3	0.2	1.4	2.1	2.0	0.3

NONE SIGNIFICANTLY DIFFERENT FROM CONTROL AT 0.05 LEVEL
NA = NOT APPLICABLE

SEX RATIO COMPARED USING CHI SQUARE TEST.
MEAN NUMBER OF VIABLE FETUSES COMPARED USING DUNNETT'S TEST.
TOTAL NUMBER OF DEAD FETUSES COMPARED USING MANN-WHITNEY TEST.
TOTAL NUMBER OF EARLY RESORPTIONS COMPARED USING MANN-WHITNEY TEST.
TOTAL NUMBER OF LATE RESORPTIONS COMPARED USING MANN-WHITNEY TEST.
TOTAL POST IMPLANTATION LOSS COMPARED USING MANN-WHITNEY TEST.
MEAN NUMBER OF IMPLANTATION SITES COMPARED USING DUNNETT'S TEST.
MEAN NUMBER OF CORPORA LUTEA COMPARED USING DUNNETT'S TEST.
FETAL WEIGHTS COMPARED USING DUNNETT'S TEST

1- 0.0 MG/KG/DAY 2-C-661(1000MG/KG) 3-C-662(1000MG/KG) 4-C-663(1000MG/KG)

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 5
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
NUMBER OF FETUSES AND LITTERS WITH MALFORMATIONS

DAY 20

DOSE GROUP:	FETUSES 1	2	3	4	LITTERS 1	2	3	4
NUMBER EXAMINED EXTERNALLY	385	373	321	365	27	27	23	26
THREAD-LIKE TAIL WITH ANAL ATRESIA	0	1	2	0	0	1	2	0
BRACHYDACTYLY	0	0	1	0	0	0	1	0
MULTIPLE ANOMALIES	0	0	1	0	0	0	1	0
NUMBER EXAMINED VISCERALLY	194	190	161	184	27	27	23	26
DIAPHRAGMATIC HERNIA	0	0	1	0	0	0	1	0
TESTICULAR HYPOPLASIA	0	1	0	0	0	1	0	0
NUMBER EXAMINED SKELETALLY	191	183	160	181	27	27	23	26
STERNEBRA(E) MALALIGNED (SEVERE)	0	0	0	1	0	0	0	1
TOTAL MALFORMATIONS								
NUMBER WITH EXTERNAL MALFORMATIONS:	0	1	4	0	0	1	4*	0
NUMBER WITH SOFT TISSUE MALFORMATIONS:	0	1	1	0	0	1	1	0
NUMBER WITH SKELETAL MALFORMATIONS:	0	0	0	1	0	0	0	1
TOTAL NUMBER WITH MALFORMATIONS:	0	2	5	1	0	2	5*	1

1- 0.0 MG/KG/DAY 2-C-661(1000MG/KG) 3-C-662(1000MG/KG) 4-C-663(1000MG/KG)

* = SIGNIFICANTLY DIFFERENT FROM CONTROL AT 0.05 LEVEL USING FISHER'S EXACT TEST

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 6
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
NUMBER OF FETUSES AND LITTERS WITH VARIATIONS

DAY 20

DOSE GROUP:	FETUSES 1	2	3	4	LITTERS 1	2	3	4
NUMBER EXAMINED EXTERNALLY	385	373	321	365	27	27	23	26
NO FINDINGS								
NUMBER EXAMINED VISCERALLY	194	190	161	184	27	27	23	26
UNDESCENDED TESTE(S)	0	1	0	0	0	1	0	0
RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S)	6	15	8	12	5	10	6	7
MAJOR BLOOD VESSEL VARIATION	0	0	2	1	0	0	2	1
MISSHAPENED URETER	1	0	0	0	1	0	0	0
NUMBER EXAMINED SKELETALLY	191	183	160	181	27	27	23	26
REDUCED OSSIFICATION OF THE VERTEBRAL ARCHES	1	0	0	0	1	0	0	0
14TH RUDIMENTARY RIB(S)	39	31	36	65	17	13	17	22
STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED	27	27	13	12	15	13	10	6*
27 PRESACRAL VERTEBRAE	4	1	3	4	2	1	1	4
STERNEBRA(E) #1,#2,#3 AND/OR #4 UNOSSIFIED	2	1	1	0	2	1	1	0
HYOID UNOSSIFIED	2	1	1	0	2	1	1	0
PUBIS UNOSSIFIED	1	0	0	0	1	0	0	0
14TH FULL RIB(S)	0	0	1	4	0	0	1	3
STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE)	3	2	3	1	3	2	3	1
REDUCED OSSIFICATION OF THE SKULL	1	0	0	1	1	0	0	1
HYOID ARCH(ES) BENT	0	0	0	0	0	0	0	0
BENT RIB(S)	0	0	0	1	0	0	0	1

1- 0.0 MG/KG/DAY 2-C-661(1000MG/KG) 3-C-662(1000MG/KG) 4-C-663(1000MG/KG)

* = SIGNIFICANTLY DIFFERENT FROM CONTROL AT 0.05 LEVEL USING FISHER'S EXACT TEST

TABLE 7

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. INDIVIDUAL BODY WEIGHTS (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0	6	9	12	16	20
DAMS FROM GROUP 1: 0.0 MG/KG/DAY							
12425	G	256.	281.	294.	305.	331.	383.
12429	G	259.	291.	295.	317.	352.	421.
12434	G	250.	279.	285.	304.	328.	394.
12437	G	237.	254.	262.	273.	298.	357.
12439	G	255.	280.	289.	299.	329.	383.
12448	G	243.	284.	295.	316.	339.	411.
12450	G	241.	270.	275.	288.	310.	356.
12453	G	242.	263.	274.	295.	323.	374.
12455	G	256.	281.	290.	302.	342.	405.
12461	G	249.	271.	276.	291.	320.	379.
12468	G	267.	290.	297.	313.	345.	426.
12476	G	245.	262.	265.	283.	311.	367.
12478	G	255.	277.	284.	300.	334.	405.
12485	G	264.	291.	296.	301.	348.	415.
12486	G	269.	297.	308.	322.	356.	421.
12487	G	238.	252.	262.	274.	293.	346.
12496	G	244.	276.	281.	299.	336.	407.
12497	NG	266.	278.	285.	289.	303.	300.
12506	G	273.	308.	314.	319.	349.	372.
12511	NG	255.	259.	266.	270.	275.	281.
12514	G	259.	289.	298.	322.	350.	412.
12517	G	264.	291.	297.	305.	345.	407.
12521	G	274.	292.	300.	319.	341.	400.
12522	G	263.	283.	296.	310.	346.	388.
12528	G	262.	283.	283.	297.	329.	391.
12532	G	275.	301.	305.	326.	363.	426.

TABLE 7
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHTS (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0	6	9	12	16	20
DAMS FROM GROUP 1: 0.0 MG/KG/DAY							
12556	G	240.	259.	276.	286.	318.	382.
12558	G	255.	293.	300.	322.	349.	400.
12561	G	252.	277.	280.	299.	314.	386.
12562	NG	286.	312.	298.	295.	305.	319.
MEAN		255.	281.	288.	303.	333.	393.
S.D.		11.	14.	14.	15.	18.	22.
N		27	27	27	27	27	27

G=GRAVID NG=NON GRAVID WEIGHT(S) NOT INCLUDED IN CALCULATION OF MEAN

TABLE 7

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. INDIVIDUAL BODY WEIGHTS (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0	6	9	12	16	20
DAMS FROM GROUP 2: C-661(1000MG/KG)							
12423	G	283.	316.	306.	304.	350.	421.
12430	G	258.	288.	295.	316.	340.	414.
12432	NG	272.	283.	279.	281.	NONGRAVID, DIED DAY 14	
12440	G	248.	267.	271.	282.	318.	383.
12443	G	241.	272.	275.	291.	315.	371.
12449	G	260.	278.	286.	290.	307.	362.
12454	G	244.	276.	283.	285.	302.	311.
12456	G	257.	287.	298.	307.	346.	407.
12457	G	239.	268.	280.	292.	278.	322.
12463	NG	248.	274.	271.	278.	278.	281.
12469	G	290.	322.	339.	358.	393.	470.
12471	G	281.	306.	311.	321.	335.	407.
12477	G	244.	272.	270.	288.	302.	353.
12482	G	241.	267.	274.	294.	328.	390.
12489	G	250.	281.	293.	305.	314.	349.
12490	G	267.	302.	299.	309.	342.	401.
12492	G	258.	278.	285.	296.	325.	401.
12499	G	267.	293.	299.	314.	338.	417.
12504	G	266.	307.	307.	325.	350.	411.
12507	G	255.	275.	278.	288.	323.	384.
12515	G	242.	258.	275.	289.	319.	370.
12516	G	254.	280.	GRAVID, DIED DAY 8			
12523	G	245.	263.	264.	278.	302.	360.
12524	G	244.	267.	279.	287.	316.	363.
12527	G	272.	291.	295.	308.	332.	399.
12531	G	245.	276.	284.	300.	325.	383.

TABLE 7

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHTS (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0	6	9	12	16	20
DAMS FROM GROUP 2: C-661(1000MG/KG)							
12534	G	254.	281.	280.	295.	311.	369.
12535	G	272.	297.	305.	325.	345.	411.
12559	G	263.	285.	293.	309.	327.	361.
12563	G	281.	319.	328.	342.	367.	417.
MEAN		258.	285.	291.	304.	328.	385.
S.D.		15.	17.	18.	19.	23.	33.
N		28	28	27	27	27	27

G=GRAVID NG=NON GRAVID WEIGHT(S) NOT INCLUDED IN CALCULATION OF MEAN

TABLE 7

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. INDIVIDUAL BODY WEIGHTS (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0	6	9	12	16	20
DAMS FROM GROUP 3: C-662(1000MG/KG)							
12422	NG	297.	310.	308.	308.	317.	313.
12428	G	259.	291.	294.	308.	328.	374.
12431	G	251.	279.	293.	318.	350.	422.
12436	G	237.	267.	274.	284.	296.	361.
12442	G	261.	302.	299.	305.	328.	410.
12446	G	250.	271.	292.	312.	310.	406.
12451	G	275.	307.	320.	326.	366.	431.
12458	G	269.	298.	294.	311.	320.	382.
12462	NG	278.	288.	288.	296.	306.	298.
12464	G	261.	286.	293.	292.	316.	384.
12472	G	260.	288.	289.	309.	328.	407.
12473	NG	263.	300.	308.	302.	302.	315.
12479	G	225.	256.	245.	280.	299.	353.
12480	NG	295.	328.	318.	321.	331.	335.
12488	NG	256.	264.	268.	266.	277.	272.
12493	G	279.	309.	315.	315.	GRAVID, DIED DAY 16	
12494	G	270.	305.	304.	322.	358.	399.
12500	G	263.	287.	286.	294.	319.	379.
12501	G	240.	267.	279.	295.	309.	377.
12505	G	250.	279.	286.	295.	305.	353.
12509	G	254.	280.	285.	296.	320.	366.
12518	G	258.	290.	293.	311.	333.	400.
12519	G	267.	296.	293.	324.	342.	410.
12525	G	257.	282.	278.	289.	295.	319.
12529	G	268.	309.	306.	316.	348.	415.
12533	G	259.	269.	283.	289.	320.	389.

TABLE 7
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHTS (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0	6	9	12	16	20
DAMS FROM GROUP 3: C-662(1000MG/KG)							
12544	NG	257.	285.	288.	290.	280.	292.
12549	G	287.	303.	308.	333.	354.	417.
12560	G	270.	300.	314.	330.	358.	401.
12564	G	244.	275.	289.	286.	331.	377.
MEAN		259.	287.	292.	306.	328.	388.
S.D.		14.	15.	16.	16.	21.	27.
N		24	24	24	24	23	23

G=GRAVID NG=NON GRAVID WEIGHT(S) NOT INCLUDED IN CALCULATION OF MEAN

. TABLE 7

AN ORAL TERATOLOGY SCREENING STUDY IN RATS

INDIVIDUAL BODY WEIGHTS (GRAMS) DURING GESTATION

DAMS FROM GROUP 4: C-663(1000MG/KG)

	PREGNANCY STATUS	DAY 0	6	9	12	16	20
12427	G	254.	289.	289.	312.	331.	398.
12433	G	239.	261.	270.	286.	302.	367.
12435	NG	274.	310.	254.	282.	275.	288.
12438	G	267.	288.	294.	308.	339.	408.
12441	G	250.	279.	280.	299.	323.	370.
12444	G	244.	273.	280.	295.	316.	374.
12447	G	266.	293.	295.	315.	332.	405.
12452	G	263.	285.	290.	287.	312.	375.
12459	G	257.	273.	279.	288.	305.	364.
12465	G	250.	279.	279.	284.	318.	386.
12467	G	276.	303.	304.	328.	350.	402.
12474	G	238.	262.	272.	292.	315.	391.
12475	G	264.	291.	293.	304.	321.	337.
12481	G	259.	280.	286.	295.	323.	374.
12483	G	269.	299.	305.	328.	340.	417.
12491	G	237.	267.	270.	283.	311.	359.
12495	G	264.	289.	288.	301.	325.	390.
12502	G	275.	295.	300.	308.	341.	411.
12503	G	253.	278.	282.	298.	316.	375.
12508	G	284.	314.	313.	330.	355.	411.
12512	G	253.	286.	291.	303.	316.	396.
12513	G	244.	262.	268.	275.	286.	320.
12520	G	259.	285.	289.	312.	339.	401.
12526	NG	236.	251.	249.	256.	255.	258.
12530	G	250.	274.	282.	292.	310.	385.
12541	NG	257.	284.	286.	286.	270.	266.

TABLE 7
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHTS (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0	6	9	12	16	20
DAMS FROM GROUP 4: C-663(1000MG/KG)							
12548	NG	253.	254.	258.	256.	266.	266.
12553	G	244.	271.	270.	289.	316.	370.
12554	G	276.	299.	308.	317.	348.	427.
12569	G	253.	277.	283.	293.	317.	371.
MEAN		257.	283.	287.	301.	323.	384.
S.D.		13.	13.	12.	15.	16.	25.
N		26	26	26	26	26	26

G=GRAVID NG=NON GRAVID WEIGHT(S) NOT INCLUDED IN CALCULATION OF MEAN

TABLE 8

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. INDIVIDUAL BODY WEIGHT CHANGES (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0- 6	6- 9	9-12	12-16	16-20	6-16	0-20
DAMS FROM GROUP 1: 0.0 MG/KG/DAY								
12425	G	25.	13.	11.	26.	52.	50.	126.
12429	G	32.	4.	22.	35.	69.	61.	162.
12434	G	29.	6.	19.	24.	67.	48.	144.
12437	G	16.	8.	11.	25.	59.	44.	120.
12439	G	25.	9.	10.	30.	54.	49.	128.
12448	G	41.	11.	21.	23.	72.	55.	168.
12450	G	30.	5.	13.	22.	47.	40.	116.
12453	G	21.	11.	21.	28.	51.	60.	132.
12455	G	25.	9.	12.	40.	63.	61.	149.
12461	G	22.	5.	15.	29.	59.	49.	130.
12468	G	23.	7.	16.	32.	81.	55.	159.
12476	G	17.	3.	18.	28.	56.	49.	122.
12478	G	22.	7.	16.	34.	71.	57.	150.
12485	G	27.	5.	5.	47.	67.	57.	151.
12486	G	28.	11.	14.	34.	65.	59.	152.
12487	G	14.	10.	12.	19.	53.	40.	108.
12496	G	32.	5.	18.	37.	71.	60.	163.
12497	NG	12.	7.	4.	14.	-3.	25.	34.
12506	G	35.	6.	5.	30.	23.	41.	99.
12511	NG	4.	7.	4.	5.	7.	16.	26.
12514	G	30.	9.	24.	28.	62.	61.	153.
12517	G	27.	6.	8.	40.	62.	54.	143.
12521	G	18.	8.	19.	22.	59.	49.	126.
12522	G	20.	13.	14.	36.	42.	63.	125.
12528	G	21.	0.	14.	32.	63.	46.	129.
12532	G	27.	4.	21.	37.	63.	61.	152.

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 8
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHT CHANGES (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0- 6	6- 9	9-12	12-16	16-20	6-16	0-20
DAMS FROM GROUP 1: 0.0 MG/KG/DAY								
12556	G	19.	17.	10.	32.	64.	59.	142.
12558	G	38.	7.	22.	27.	51.	56.	145.
12561	G	25.	3.	19.	15.	73.	37.	134.
12562	NG	26.	-14.	-3.	10.	14.	-7.	33.
MEAN		26.	8.	15.	30.	60.	53.	138.
S.D.		7.	4.	5.	7.	12.	8.	18.
N		27	27	27	27	27	27	27

G=GRAVID NG=NON GRAVID WEIGHT(S) NOT INCLUDED IN CALCULATION OF MEAN

TABLE 8
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHT CHANGES (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0- 6	6- 9	9-12	12-16	16-20	6-16	0-20
DAMS FROM GROUP 2: C-661(1000MG/KG)								
12423	G	34.	-10.	-2.	46.	71.	34.	138.
12430	G	30.	7.	21.	24.	75.	52.	156.
12432	NG	11.	-4.	2.	NONGRAVID, DIED DAY 14			
12440	G	19.	4.	11.	36.	65.	51.	135.
12443	G	31.	3.	16.	24.	56.	43.	130.
12449	G	19.	8.	4.	17.	55.	29.	103.
12454	G	32.	7.	2.	17.	10.	25.	67.
12456	G	30.	11.	9.	39.	61.	59.	150.
12457	G	29.	12.	12.	-14.	45.	10.	83.
12463	NG	27.	-3.	7.	0.	4.	3.	33.
12469	G	32.	17.	19.	35.	77.	71.	179.
12471	G	26.	5.	10.	14.	72.	29.	127.
12477	G	28.	-2.	18.	14.	51.	29.	109.
12482	G	26.	7.	20.	34.	63.	61.	150.
12489	G	30.	12.	12.	9.	35.	33.	98.
12490	G	35.	-3.	10.	33.	59.	40.	134.
12492	G	20.	7.	11.	29.	76.	47.	143.
12499	G	26.	6.	15.	24.	79.	45.	150.
12504	G	41.	0.	18.	25.	61.	43.	144.
12507	G	21.	3.	10.	35.	61.	48.	129.
12515	G	16.	17.	14.	30.	52.	61.	128.
12516	G	26.	GRAVID, DIED DAY 8					
12523	G	18.	1.	14.	24.	58.	39.	115.
12524	G	23.	12.	8.	29.	47.	49.	119.
12527	G	19.	4.	13.	24.	67.	41.	127.
12531	G	31.	8.	16.	25.	58.	49.	138.

TABLE 8
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHT CHANGES (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0- 6	6- 9	9-12	12-16	16-20	6-16	0-20
DAMS FROM GROUP 2: C-661(1000MG/KG)								
12534	G	27.	-1.	15.	16.	58.	30.	115.
12535	G	25.	8.	20.	20.	66.	48.	139.
12559	G	22.	8.	16.	19.	34.	42.	98.
12563	G	38.	9.	14.	25.	50.	48.	136.
MEAN		27.	6.	13.	24.	58.	43.	127.
S.D.		6.	6.	6.	12.	15.	13.	24.
N		28	27	27	27	27	27	27

G=GRAVID NG=NON GRAVID WEIGHT(S) NOT INCLUDED IN CALCULATION OF MEAN

TABLE 8

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. INDIVIDUAL BODY WEIGHT CHANGES (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0- 6	6- 9	9-12	12-16	16-20	6-16	0-20
DAMS FROM GROUP 3: C-662(1000MG/KG)								
12422	NG	13.	-2.	0.	9.	-3.	7.	16.
12428	G	32.	3.	14.	20.	46.	37.	115.
12431	G	28.	14.	25.	32.	72.	71.	171.
12436	G	30.	7.	10.	12.	65.	29.	124.
12442	G	41.	-3.	6.	23.	82.	26.	149.
12446	G	21.	21.	20.	-2.	96.	39.	156.
12451	G	33.	13.	6.	40.	65.	59.	157.
12458	G	29.	-4.	17.	9.	62.	22.	113.
12462	NG	10.	0.	8.	10.	-8.	18.	20.
12464	G	25.	7.	-1.	24.	68.	30.	124.
12472	G	28.	1.	20.	19.	80.	39.	147.
12473	NG	37.	8.	-6.	0.	13.	2.	52.
12479	G	31.	-11.	35.	19.	54.	43.	128.
12480	NG	33.	-10.	3.	10.	4.	3.	40.
12488	NG	8.	4.	-2.	11.	-4.	13.	16.
12493	G	30.	6.	0.	GRAVID, DIED DAY 16			
12494	G	36.	-1.	18.	36.	41.	53.	129.
12500	G	24.	-1.	8.	26.	60.	32.	116.
12501	G	27.	12.	16.	14.	68.	42.	137.
12505	G	29.	7.	9.	10.	48.	26.	104.
12509	G	26.	5.	11.	24.	46.	40.	112.
12518	G	32.	3.	18.	22.	67.	43.	142.
12519	G	29.	-3.	31.	18.	68.	46.	142.
12525	G	25.	-4.	11.	6.	24.	13.	62.
12529	G	41.	-3.	10.	32.	67.	39.	147.
12533	G	10.	14.	6.	31.	69.	51.	130.

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE B
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHT CHANGES (GRAMS) DURING GESTATION

DAMS FROM GROUP 3: C-662(1000MG/KG)

	PREGNANCY STATUS	DAY 0- 6	6- 9	9-12	12-16	16-20	6-16	0-20
12544	NG	28.	3.	2.	-10.	12.	-6.	35.
12549	G	16.	5.	25.	21.	63.	51.	130.
12560	G	30.	14.	16.	28.	43.	58.	131.
12564	G	31.	14.	-3.	45.	46.	56.	133.
MEAN		28.	5.	14.	22.	61.	41.	130.
S.D.		7.	8.	10.	11.	16.	14.	22.
N		24	24	24	23	23	23	23

G=GRAVID NG=NON GRAVID WEIGHT(S) NOT INCLUDED IN CALCULATION OF MEAN

TABLE 8
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHT CHANGES (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0- 6	6- 9	9-12	12-16	16-20	6-16	0-20
DAMS FROM GROUP 4: C-663(1000MG/KG)								
12427	G	36.	0.	23.	19.	68.	41.	145.
12433	G	22.	9.	16.	16.	65.	41.	127.
12435	NG	37.	-56.	28.	-7.	13.	-35.	14.
12438	G	21.	6.	14.	32.	69.	51.	141.
12441	G	29.	1.	19.	24.	47.	44.	120.
12444	G	29.	7.	15.	21.	58.	42.	130.
12447	G	27.	2.	20.	17.	73.	39.	140.
12452	G	22.	5.	-3.	24.	63.	27.	112.
12459	G	16.	6.	9.	17.	59.	32.	108.
12465	G	29.	0.	5.	34.	68.	39.	136.
12467	G	27.	1.	24.	22.	52.	47.	126.
12474	G	24.	10.	20.	23.	76.	53.	153.
12475	G	27.	2.	11.	17.	16.	30.	73.
12481	G	22.	6.	9.	29.	51.	43.	116.
12483	G	30.	6.	23.	12.	77.	40.	148.
12491	G	30.	3.	13.	28.	47.	44.	121.
12495	G	25.	-1.	13.	23.	65.	36.	126.
12502	G	20.	5.	8.	33.	70.	46.	136.
12503	G	25.	4.	16.	18.	59.	38.	122.
12508	G	30.	-1.	17.	25.	56.	41.	127.
12512	G	33.	5.	12.	12.	80.	30.	143.
12513	G	18.	6.	7.	11.	34.	25.	76.
12520	G	26.	4.	23.	27.	61.	54.	142.
12526	NG	15.	-2.	7.	-1.	3.	4.	22.
12530	G	25.	8.	10.	18.	75.	36.	136.
12541	NG	27.	2.	0.	-17.	-3.	-14.	10.

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 8
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL BODY WEIGHT CHANGES (GRAMS) DURING GESTATION

	PREGNANCY STATUS	DAY 0- 6	6- 9	9-12	12-16	16-20	6-16	0-20
DAMS FROM GROUP 4: C-663(1000MG/KG)								
12548	NG	1.	4.	-2.	11.	0.	12.	13.
12553	G	27.	-1.	19.	27.	54.	45.	126.
12554	G	23.	9.	9.	31.	79.	50.	151.
12569	G	24.	6.	10.	24.	54.	40.	118.
MEAN		26.	4.	14.	22.	61.	40.	127.
S.D.		5.	3.	6.	7.	15.	8.	20.
N		26	26	26	26	26	26	26

G=GRAVID NG=NON GRAVID WEIGHT(S) NOT INCLUDED IN CALCULATION OF MEAN

TABLE 9

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

AN ORAL TERATOLOGY SCREENING STUDY IN RATS
DAM GROSS EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	MATERNAL GROSS OBSERVATION
12425	DRIED RED MATERIAL AROUND NOSE
12429	NO SIGNIFICANT CHANGES OBSERVED
12434	NO SIGNIFICANT CHANGES OBSERVED
12437	NO SIGNIFICANT CHANGES OBSERVED
12439	NO SIGNIFICANT CHANGES OBSERVED
12448	NO SIGNIFICANT CHANGES OBSERVED
12450	NO SIGNIFICANT CHANGES OBSERVED
12453	NO SIGNIFICANT CHANGES OBSERV
12455	NO SIGNIFICANT CHANGES OBSERVED
12461	NO SIGNIFICANT CHANGES OBSERVED
12468	NO SIGNIFICANT CHANGES OBSERVED
12476	NO SIGNIFICANT CHANGES OBSERVED
12478	NO SIGNIFICANT CHANGES OBSERVED
12485	NO SIGNIFICANT CHANGES OBSERVED
12486	NO SIGNIFICANT CHANGES OBSERVED
12487	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS.
12496	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS, AND VENTRAL ABDOMINAL AREA; MODERATE, RIGHT AND LEFT FORELEGS.
12497	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED
12506	NO SIGNIFICANT CHANGES OBSERVED
12511	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED
12514	NO SIGNIFICANT CHANGES OBSERVED
12517	NO SIGNIFICANT CHANGES OBSERVED
12521	NO SIGNIFICANT CHANGES OBSERVED

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 9
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
DAM GROSS EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	MATERNAL GROSS OBSERVATION
12522	NO SIGNIFICANT CHANGES OBSERVED
12528	NO SIGNIFICANT CHANGES OBSERVED
12532	NO SIGNIFICANT CHANGES OBSERVED
12556	NO SIGNIFICANT CHANGES OBSERVED
12558	NO SIGNIFICANT CHANGES OBSERVED
12561	NO SIGNIFICANT CHANGES OBSERVED
12562	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED

TABLE 9
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
DAM GROSS EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	MATERNAL GROSS OBSERVATION
12423	RENAL INFARCT LEFT KIDNEY - WHITE FOCI RIGHT RENAL CORTEX
12430	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS; MODERATE, RIGHT AND LEFT FORELEGS.
12440	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS AND FORELEGS.
12443	NO SIGNIFICANT CHANGES OBSERVED
12449	NO SIGNIFICANT CHANGES OBSERVED
12454	HAIR LOSS SLIGHT, RIGHT AND LEFT INGUINAL AREA; MODERATE, VENTRAL ABDOMINAL AREA.
12456	NO SIGNIFICANT CHANGES OBSERVED
12457	NO SIGNIFICANT CHANGES OBSERVED
12463	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE
12469	NO SIGNIFICANT CHANGES OBSERVED
12471	NO SIGNIFICANT CHANGES OBSERVED
12477	NO SIGNIFICANT CHANGES OBSERVED
12482	NO SIGNIFICANT CHANGES OBSERVED
12489	NO SIGNIFICANT CHANGES OBSERVED
12490	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS; MODERATE, RIGHT AND LEFT FORELEGS.
12492	NO SIGNIFICANT CHANGES OBSERVED
12499	NO SIGNIFICANT CHANGES OBSERVED
12504	HAIR LOSS MODERATE, RIGHT AND LEFT REAR LEGS, AND VENTRAL ABDOMINAL

. TABLE 9
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
DAM GROSS EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	MATERNAL GROSS OBSERVATION
	AREA; SEVERE, RIGHT AND LEFT FORELEGS
12507	HAIR LOSS
	SLIGHT, RIGHT AND LEFT HIPS; SEVERE, VENTRAL THORACIC AND ABDOMINAL AREA.
12515	NO SIGNIFICANT CHANGES OBSERVED
12523	NO SIGNIFICANT CHANGES OBSERVED
12524	HAIR LOSS
	MODERATE, RIGHT LATERAL AND VENTRAL ABDOMINAL AREA, AND RIGHT HIP.
12527	NO SIGNIFICANT CHANGES OBSERVED
12531	NO SIGNIFICANT CHANGES OBSERVED
12534	HAIR LOSS
	SLIGHT, RIGHT AND LEFT INGUINAL AREA.
12535	NO SIGNIFICANT CHANGES OBSERVED
12559	NO SIGNIFICANT CHANGES OBSERVED
12563	HAIR LOSS
	SLIGHT, RIGHT AND LEFT FOREPAWS; MODERATE, RIGHT AND LEFT FORELEGS.

TABLE 9
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
DAM GROSS EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	MATERNAL GROSS OBSERVATION
12422	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE
12428	STOMACH - THICK MUCOSA WITH THREE SMALL, WHITE AND INDURATED AREAS.
12431	NO SIGNIFICANT CHANGES OBSERVED
12436	HAIR LOSS SLIGHT, RIGHT AND LEFT FORELEGS, AND RIGHT LATERAL THORACIC AREA.
12442	STOMACH - THICK MUCOSA WITH WHITE, INDURATED AREAS.
12446	RENAL INFARCT FEW, BILATERAL
12451	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS.
12458	HAIR LOSS SLIGHT, RIGHT AND LEFT HIPS; MODERATE, RIGHT LATERAL ABDOMINAL AREA.
12462	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED
12464	HAIR LOSS MODERATE, RIGHT AND LEFT LATERAL THORACIC AND ABDOMINAL AREA; SEVERE, VENTRAL THORACIC AND ABDOMINAL AREA.
12472	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS, AND VENTRAL ABDOMINAL AREA; MODERATE, RIGHT AND LEFT FORELEGS.
12473	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED
12479	NO SIGNIFICANT CHANGES OBSERVED
12480	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED

TABLE 9
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
DAM GROSS EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	MATERNAL GROSS OBSERVATION
12488	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED
12494	NO SIGNIFICANT CHANGES OBSERVED
12500	NO SIGNIFICANT CHANGES OBSERVED
12501	NO SIGNIFICANT CHANGES OBSERVED
12505	NO SIGNIFICANT CHANGES OBSERVED
12509	HAIR LOSS SLIGHT, RIGHT AND LEFT INGUINAL AREA.
12518	NO SIGNIFICANT CHANGES OBSERVED
12519	NO SIGNIFICANT CHANGES OBSERVED
12525	HAIR LOSS MODERATE, RIGHT AND LEFT HIPS; SEVERE, VENTRAL THORACIC AND ABDOMINAL AREA, AND RIGHT AND LEFT INGUINAL AREA.
12529	NO SIGNIFICANT CHANGES OBSERVED
12533	NO SIGNIFICANT CHANGES OBSERVED
12544	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED
12549	NO SIGNIFICANT CHANGES OBSERVED
12560	NO SIGNIFICANT CHANGES OBSERVED
12564	NO SIGNIFICANT CHANGES OBSERVED

TABLE 9
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
DAM GROSS EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	MATERNAL GROSS OBSERVATION
12427	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS.
12433	CYSTIC KIDNEY SEVERE, BILATERAL
12435	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED
12438	NO SIGNIFICANT CHANGES OBSERVED
12441	NO SIGNIFICANT CHANGES OBSERVED
12444	NO SIGNIFICANT CHANGES OBSERVED
12447	NO SIGNIFICANT CHANGES OBSERVED
12452	NO SIGNIFICANT CHANGES OBSERVED
12459	NO SIGNIFICANT CHANGES OBSERVED
12465	NO SIGNIFICANT CHANGES OBSERVED
12467	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS.
12474	NO SIGNIFICANT CHANGES OBSERVED
12475	HAIR LOSS MODERATE, RIGHT AND LEFT FOREPAWS, FORELEGS, HIPS AND INGUINAL AREA.
12481	NO SIGNIFICANT CHANGES OBSERVED
12483	NO SIGNIFICANT CHANGES OBSERVED
12491	NO SIGNIFICANT CHANGES OBSERVED
12495	NO SIGNIFICANT CHANGES OBSERVED
12502	HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS.
12503	NO SIGNIFICANT CHANGES OBSERVED
12508	NO SIGNIFICANT CHANGES OBSERVED
12512	NO SIGNIFICANT CHANGES OBSERVED

TABLE 9
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
DAM GROSS EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	MATERNAL GROSS OBSERVATION
12513	HAIR LOSS SLIGHT, RIGHT HIP AND INGUINAL AREA; MODERATE, RIGHT AND LEFT FOREPAWS AND FORELEGS, AND VENTRAL ABDOMINAL AREA.
12520	NO SIGNIFICANT CHANGES OBSERVED
12526	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED
12530	NO SIGNIFICANT CHANGES OBSERVED
12541	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE NO OTHER SIGNIFICANT CHANGES OBSERVED
12548	NON GRAVID -- AMMONIUM SULFIDE NEGATIVE HAIR LOSS SLIGHT, RIGHT AND LEFT FOREPAWS; MODERATE, RIGHT AND LEFT FORELEGS.
12553	NO SIGNIFICANT CHANGES OBSERVED
12554	NO SIGNIFICANT CHANGES OBSERVED
12569	NO SIGNIFICANT CHANGES OBSERVED

TABLE 10

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. FETAL DATA AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY

			VIABLE FETUSES			DEAD FETUSES			EARLY RESORPTIONS			LATE RESORPTIONS			IMPLANTATION SITES			CORPORA LUTEA		
	SEX		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT	
DAM#	M	F	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	OVARY	OVARY	TOTAL
12425	5	4	5	4	9	0	0	0	4	0	4	0	0	0	9	4	13	10	5	15
12429	6	10	7	9	16	0	0	0	0	0	0	0	0	0	7	9	16	7	10	17
12434	9	5	7	7	14	0	0	0	1	2	3	0	0	0	8	9	17	10	9	19
12437	6	7	3	10	13	0	0	0	0	0	0	0	0	0	3	10	13	4	10	14
12439	8	9	8	9	17	0	0	0	0	0	0	1	0	1	9	9	18	9	9	18
12448	5	9	7	7	14	0	0	0	1	0	1	0	0	0	8	7	15	8	7	15
12450	3	5	7	1	8	0	0	0	1	0	1	0	0	0	8	1	9	9	6	15
12453	4	9	6	7	13	0	0	0	1	0	1	0	0	0	7	7	14	9	7	16
12455	10	6	8	8	16	0	0	0	1	0	1	0	0	0	9	8	17	9	9	18
12461	8	5	5	8	13	0	0	0	0	1	1	0	0	0	5	9	14	6	9	15
12468	8	11	7	12	19	0	0	0	0	0	0	0	0	0	7	12	19	8	12	20
12476	7	7	8	6	14	0	0	0	0	0	0	0	0	0	8	6	14	8	6	14
12478	10	6	10	6	16	0	0	0	1	0	1	0	0	0	11	6	17	11	6	17
12485	12	8	7	13	20	0	0	0	0	0	0	0	0	0	7	13	20	9	13	22
12486	7	9	10	6	16	0	0	0	0	0	0	0	0	0	10	6	16	10	6	16
12487	6	8	7	7	14	0	0	0	1	0	1	0	0	0	8	7	15	8	7	15
12496	9	8	9	8	17	0	0	0	0	0	0	0	0	0	9	8	17	11	8	19
12497	NON GRAVID																			
12506	5	3	5	3	8	0	0	0	0	0	0	0	0	0	5	3	8	5	11	16
12511	NON GRAVID																			
12514	3	10	7	6	13	0	0	0	0	0	0	0	0	0	7	6	13	9	10	19
12517	8	6	7	7	14	0	0	0	0	0	0	0	0	0	7	7	14	7	9	16
12521	8	5	4	9	13	0	0	0	0	0	0	0	1	1	4	10	14	5	11	16
12522	2	10	8	4	12	0	0	0	1	3	4	0	0	0	9	7	16	9	7	16
12528	8	7	6	9	15	0	0	0	0	0	0	0	0	0	6	9	15	6	9	15
12532	13	3	7	9	16	0	0	0	0	0	0	0	0	0	7	9	16	8	10	18
12556	7	8	7	8	15	0	0	0	0	0	0	0	0	0	7	8	15	7	8	15

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 10
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL DATA AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY

			VIABLE FETUSES			DEAD FETUSES			EARLY RESORPTIONS			LATE RESORPTIONS			IMPLANTATION SITES			CORPORA LUTEA		
	SEX		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT	
DAM#	M	F	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	OVARY	OVARY	TOTAL
12558	4	8	5	7	12	0	0	0	0	1	1	0	0	0	5	8	13	6	8	14
12561	9	9	9	9	18	0	0	0	0	0	0	0	0	0	9	9	18	9	9	18
12562	NON GRAVID																			
TOTAL	190	195	186	199	385	0	0	0	12	7	19	1	1	2	199	207	406	217	231	448
MEAN	7.0	7.2	6.9	7.4	14.3	0.0	0.0	0.0	0.4	0.3	0.7	0.0	0.0	0.1	7.4	7.7	15.0	8.0	8.6	16.6
S.D.	2.7	2.2	1.7	2.5	2.9	0.0	0.0	0.0	0.8	0.7	1.2	0.2	0.2	0.3	1.8	2.5	2.7	1.8	2.0	2.0

27 GRAVID

TABLE 10
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL DATA AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)

			VIABLE FETUSES			DEAD FETUSES			EARLY RESORPTIONS			LATE RESORPTIONS			IMPLANTATION SITES			CORPORA LUTEA		
	SEX		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT	
DAM#	M	F	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	OVARY	OVARY	TOTAL
12423	6	9	9	6	15	0	0	0	0	0	0	0	0	0	9	6	15	9	8	17
12430	7	7	7	7	14	0	0	0	1	0	1	0	0	0	8	7	15	8	7	15
12432	NONGRAVID, DIED DAY 14																			
12440	5	10	6	9	15	0	0	0	1	0	1	0	0	0	7	9	16	8	10	18
12443	5	6	3	8	11	0	0	0	1	1	2	0	0	0	4	9	13	4	13	17
12449	6	5	7	4	11	0	0	0	0	1	1	0	0	0	7	5	12	9	7	16
12454	4	6	4	6	10	0	0	0	1	0	1	0	0	0	5	6	11	7	8	15
12456	3	11	4	10	14	0	0	0	2	0	2	0	0	0	6	10	16	6	10	16
12457	8	3	3	8	11	0	0	0	1	1	2	0	0	0	4	9	13	4	14	18
12463	NON GRAVID																			
12469	14	5	12	7	19	0	0	0	0	0	0	0	0	0	12	7	19	12	8	20
12471	7	6	6	7	13	0	0	0	1	0	1	0	0	0	7	7	14	7	9	16
12477	4	3	2	5	7	0	0	0	0	0	0	0	0	0	2	5	7	6	9	15
12482	5	11	7	9	16	0	0	0	0	1	1	0	0	0	7	10	17	7	10	17
12489	9	6	4	11	15	0	0	0	0	0	0	0	0	0	4	11	15	4	11	15
12490	5	8	5	8	13	0	0	0	1	1	2	0	0	0	6	9	15	8	10	18
12492	9	5	8	6	14	0	0	0	0	0	0	0	0	0	8	6	14	10	7	17
12499	5	10	7	8	15	0	0	0	0	0	0	0	0	0	7	8	15	7	8	15
12504	7	8	9	6	15	0	0	0	0	2	2	0	0	0	9	8	17	9	8	17
12507	7	9	8	8	16	0	0	0	0	0	0	0	0	0	8	8	16	9	8	17
12515	5	8	7	6	13	0	0	0	1	0	1	0	0	0	8	6	14	8	6	14
12516	GRAVID, DIED DAY 8																			
12523	6	7	4	9	13	0	0	0	1	1	2	0	0	0	5	10	15	6	10	16
12524	7	8	8	7	15	0	0	0	0	0	0	0	0	0	8	7	15	8	7	15
12527	10	5	5	10	15	0	0	0	0	1	1	0	0	0	5	11	16	5	11	16
12531	9	8	9	8	17	0	0	0	0	0	0	0	0	0	9	8	17	9	8	17
12534	7	7	7	7	14	0	0	0	0	0	0	0	0	0	7	7	14	7	10	17

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 10
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL DATA AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)

			VIABLE FETUSES			DEAD FETUSES			EARLY RESORPTIONS			LATE RESORPTIONS			IMPLANTATION SITES			CORPORA LUTEA		
	SEX		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT	
DAM#	M	F	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	OVARY	OVARY	TOTAL
12535	4	8	6	6	12	0	0	0	0	0	0	0	0	0	6	6	12	6	7	13
12559	6	8	5	9	14	0	0	0	1	0	1	0	0	0	6	9	15	6	9	15
12563	8	8	8	8	16	0	0	0	0	0	0	0	0	0	8	8	16	9	8	17
TOTAL	178	195	170	203	373	0	0	0	12	9	21	0	0	0	182	212	394	198	241	439
MEAN	6.6	7.2	6.3	7.5	13.8	0.0	0.0	0.0	0.4	0.3	0.8	0.0	0.0	0.0	6.7	7.9	14.6	7.3	8.9	16.3
S.D.	2.3	2.1	2.3	1.6	2.4	0.0	0.0	0.0	0.6	0.6	0.8	0.0	0.0	0.0	2.0	1.7	2.3	1.9	1.9	1.5

27 GRAVID

TABLE 10
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL DATA AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)

			VIABLE FETUSES			DEAD FETUSES			EARLY RESORPTIONS			LATE RESORPTIONS			IMPLANTATION SITES			CORPORA LUTEA		
	SEX		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT	
DAM#	M	F	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	OVARY	OVARY	TOTAL
12422	NON GRAVID																			
12428	7	7	8	6	14	0	0	0	1	1	2	0	0	0	9	7	16	9	7	16
12431	7	10	12	5	17	0	0	0	1	0	1	0	0	0	13	5	18	13	6	19
12436	5	9	6	8	14	0	0	0	0	0	0	0	0	0	6	8	14	6	10	16
12442	9	7	7	9	16	0	0	0	0	0	0	0	0	0	7	9	16	7	9	16
12446	8	9	6	11	17	0	0	0	0	0	0	0	0	0	6	11	17	6	11	17
12451	5	9	3	11	14	0	0	0	0	0	0	0	0	0	3	11	14	4	11	15
12458	8	5	5	8	13	0	0	0	1	0	1	0	0	0	6	8	14	8	9	17
12462	NON GRAVID																			
12464	9	9	12	6	18	0	0	0	0	0	0	0	0	0	12	6	18	12	10	22
12472	7	8	8	7	15	0	0	0	0	0	0	0	0	0	8	7	15	8	8	16
12473	NON GRAVID																			
12479	4	8	7	5	12	0	0	0	0	0	0	0	0	0	7	5	12	8	5	13
12480	NON GRAVID																			
12488	NON GRAVID																			
12493	GRAVID, DIED DAY 16																			
12494	5	9	5	9	14	0	0	0	1	1	2	0	0	0	6	10	16	7	11	18
12500	5	9	5	9	14	0	0	0	0	1	1	0	0	0	5	10	15	6	10	16
12501	6	9	8	7	15	0	0	0	0	0	0	0	0	0	8	7	15	8	7	15
12505	1	6	0	7	7	0	0	0	0	0	0	0	0	0	0	7	7	6	7	13
12509	6	10	7	9	16	0	0	0	0	0	0	0	0	0	7	9	16	10	10	20
12518	6	8	7	7	14	0	0	0	0	1	1	0	0	0	7	8	15	7	8	15
12519	11	6	6	11	17	0	0	0	0	0	0	0	0	0	6	11	17	7	11	18
12525	2	1	0	3	3	0	0	0	0	0	0	0	0	0	0	3	3	10	3	13
12529	7	7	6	8	14	0	0	0	0	2	2	0	0	0	6	10	16	7	10	17
12533	8	5	8	5	13	0	0	0	0	1	1	0	0	0	8	6	14	9	6	15
12544	NON GRAVID																			

TABLE 10
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL DATA AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)

			VIABLE FETUSES			DEAD FETUSES			EARLY RESORPTIONS			LATE RESORPTIONS			IMPLANTATION SITES			CORPORA LUTEA		
	SEX		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT	
DAM#	M	F	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	OVARY	OVARY	TOTAL
12549	12	5	5	12	17	0	0	0	0	0	0	0	0	0	5	12	17	5	12	17
12560	8	4	6	6	12	0	0	0	1	0	1	0	0	0	7	6	13	14	8	22
12564	9	6	8	7	15	0	0	0	0	0	0	0	0	0	8	7	15	9	7	16
TOTAL	155	166	145	176	321	0	0	0	5	7	12	0	0	0	150	183	333	186	196	382
MEAN	6.7	7.2	6.3	7.7	14.0	0.0	0.0	0.0	0.2	0.3	0.5	0.0	0.0	0.0	6.5	8.0	14.5	8.1	8.5	16.6
S.D.	2.6	2.2	2.9	2.3	3.3	0.0	0.0	0.0	0.4	0.6	0.7	0.0	0.0	0.0	3.0	2.3	3.4	2.5	2.3	2.4

23 GRAVID

TABLE 10
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL DATA AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)

			VIABLE FETUSES			DEAD FETUSES			EARLY RESORPTIONS			LATE RESORPTIONS			IMPLANTATION SITES			CORPORA LUTEA		
	SEX		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT		LEFT	RIGHT	
DAM#	M	F	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	HORN	HORN	TOTAL	OVARY	OVARY	TOTAL
12427	8	4	6	6	12	0	0	0	0	1	1	0	0	0	6	7	13	6	8	14
12433	9	4	3	10	13	0	0	0	0	0	0	0	0	0	3	10	13	3	10	13
12435	NON GRAVID																			
12438	11	7	8	10	18	0	0	0	0	1	1	0	0	0	8	11	19	8	11	19
12441	7	8	5	10	15	0	0	0	0	0	0	0	0	0	5	10	15	5	12	17
12444	7	8	7	8	15	0	0	0	0	0	0	0	0	0	7	8	15	7	9	16
12447	10	5	8	7	15	0	0	0	0	0	0	0	0	0	8	7	15	8	8	16
12452	9	5	7	7	14	0	0	0	1	0	1	0	0	0	8	7	15	13	7	20
12459	6	8	6	8	14	0	0	0	1	0	1	0	0	0	7	8	15	7	9	16
12465	8	7	9	6	15	0	0	0	0	0	0	0	0	0	9	6	15	9	6	15
12467	4	11	8	7	15	0	0	0	0	0	0	0	0	0	8	7	15	10	7	17
12474	7	9	10	6	16	0	0	0	0	0	0	0	0	0	10	6	16	10	7	17
12475	3	5	3	5	8	0	0	0	2	4	6	0	1	1	5	10	15	5	10	15
12481	5	8	5	8	13	0	0	0	1	1	2	0	0	0	6	9	15	6	9	15
12483	6	8	10	4	14	0	0	0	0	1	1	0	0	0	10	5	15	10	6	16
12491	6	7	7	6	13	0	0	0	1	1	2	0	0	0	8	7	15	8	7	15
12495	5	9	6	8	14	0	0	0	0	0	0	0	0	0	6	8	14	6	8	14
12502	11	4	9	6	15	0	0	0	0	0	0	0	0	0	9	6	15	9	7	16
12503	5	8	4	9	13	0	0	0	0	0	0	0	0	0	4	9	13	9	9	18
12508	10	6	7	9	16	0	0	0	0	1	1	0	0	0	7	10	17	7	14	21
12512	10	5	7	8	15	0	0	0	0	0	0	0	0	0	7	8	15	8	8	16
12513	0	5	2	3	5	0	0	0	1	1	2	0	0	0	3	4	7	8	6	14
12520	10	5	8	7	15	0	0	0	0	0	0	0	0	0	8	7	15	8	7	15
12526	NON GRAVID																			
12530	8	8	8	8	16	0	0	0	0	0	0	0	0	0	8	8	16	8	8	16
12541	NON GRAVID																			
12548	NON GRAVID																			

TABLE 10
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL DATA AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)

			VIABLE FETUSES			DEAD FETUSES			EARLY RESORPTIONS			LATE RESORPTIONS			IMPLANTATION SITES			CORPORA LUTEA		
	SEX																			
DAM#	M	F	LEFT HORN	RIGHT HORN	TOTAL	LEFT HORN	RIGHT HORN	TOTAL	LEFT HORN	RIGHT HORN	TOTAL	LEFT HORN	RIGHT HORN	TOTAL	LEFT HORN	RIGHT HORN	TOTAL	LEFT OVARY	RIGHT OVARY	TOTAL
12553	4	9	4	9	13	0	0	0	0	1	1	0	0	0	4	10	14	4	10	14
12554	14	4	10	8	18	0	0	0	1	0	1	0	0	0	11	8	19	11	8	19
12569	7	8	10	5	15	0	0	0	0	0	0	0	0	0	10	5	15	10	5	15
TOTAL	190	175	177	188	365	0	0	0	8	12	20	0	1	1	185	201	386	203	216	419
MEAN	7.3	6.7	6.8	7.2	14.0	0.0	0.0	0.0	0.3	0.5	0.8	0.0	0.0	0.0	7.1	7.7	14.8	7.8	8.3	16.1
S.D.	3.0	2.0	2.3	1.8	2.7	0.0	0.0	0.0	0.5	0.9	1.3	0.0	0.2	0.2	2.2	1.8	2.1	2.2	2.0	2.0

26 GRAVID

TABLE 11

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. INDIVIDUAL FETAL WEIGHTS (G)

FETUS #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAM # MEAN	GROUP 1: 0.0 MG/KG/DAY																						
12425 2.8	2.7	1.8	3.2	E	E	E	3.0	E	2.9/	3.1	3.2	2.2	2.8										
12429 3.3	3.3	3.6	3.5	3.3	3.5	3.4	3.3/	3.2	3.5	3.2	3.1	3.0	3.1	3.2	3.4	3.3							
12434 3.8	3.8	E	3.8	4.1	3.6	3.8	3.9	4.0/	E	3.9	3.7	4.0	3.7	E	3.6	4.1	3.1						
12437 4.0	3.9	4.1	3.8/	3.9	4.0	4.0	4.1	3.9	3.7	4.0	3.8	4.2	4.1										
12439 3.4	3.4	3.2	3.2	3.6	3.6	3.4	L	3.6	3.1/	4.1	2.7	3.2	3.2	3.6	3.7	3.4	3.6	3.2					
12448 3.5	3.1	E	3.7	3.6	3.2	3.2	3.4	3.5/	3.9	3.6	3.5	3.9	3.5	3.4	3.3								
12450 3.8	3.3	4.4	4.0	E	4.1	4.1	4.3	2.2/	4.3														
12453 3.3	3.1	E	3.0	3.3	3.6	3.3	3.1/	3.5	3.3	3.6	3.8	3.5	3.4	2.9									
12455 3.4	3.4	E	3.7	3.2	3.3	3.7	3.4	3.6	3.5/	3.7	3.1	3.5	3.4	2.7	3.3	3.5	3.0						
12461 3.6	3.6	3.7	3.4	3.3	4.1/	3.4	4.1	3.8	3.9	3.4	E	3.6	3.5	3.3									
12468 3.6	3.5	3.7	3.5	3.8	3.4	3.9	3.6/	3.7	3.7	3.6	3.7	3.7	3.5	3.7	3.8	3.2	3.7	3.6	3.0				
12476 3.8	3.9	3.8	3.7	3.9	3.7	4.0	3.7	3.8/	3.8	3.6	3.8	4.1	3.7	3.7									
12478 3.9	3.7	4.0	3.7	3.9	3.8	4.0	E	3.8	3.7	3.9	4.0/	3.9	3.7	4.3	4.0	3.8	3.6						
12485 3.3	2.9	3.6	3.3	3.2	3.7	3.4	3.7/	3.3	3.3	3.1	3.6	3.1	3.4	3.2	3.5	3.0	3.3	3.3	3.3	3.0			
12486 3.5	3.5	3.3	3.6	3.6	3.3	3.5	3.4	3.6	3.7	3.6/	3.6	3.5	3.7	3.5	3.6	3.4							
12487 3.3	E	3.2	3.2	3.6	3.5	3.3	3.5	3.2/	3.4	2.5	3.2	3.9	3.5	3.4	3.1								
12496 3.8	3.1	3.5	3.9	3.7	3.8	3.8	3.8	3.9	3.7/	4.1	4.0	3.8	3.8	4.1	3.8	3.6	3.5						
12506 3.6	3.4	3.9	3.6	3.2	3.6/	3.9	3.8	3.6															
12514 3.6	3.2	3.6	3.7	3.1	3.6	3.3	4.0/	3.6	3.8	3.7	4.2	3.5	3.7										
12517 3.6	3.5	3.9	4.1	3.9	2.6	3.8	3.3/	3.9	3.5	3.7	3.8	3.6	3.5	3.2									
12521 3.7	3.5	3.8	3.6	3.9/	4.0	3.6	3.6	3.5	L	3.9	3.6	3.6	3.6	3.7									
12522 3.3	E	3.3	2.7	3.3	3.1	3.3	3.3	3.7	3.4/	3.8	E	E	E	3.3	3.0	3.0							
12528 3.8	4.0	4.0	4.1	3.6	3.8	4.0/	3.8	3.6	3.5	4.2	3.4	4.0	3.7	3.5	3.3								
12532 3.5	3.5	3.6	3.6	3.5	3.5	3.8	4.1/	3.6	3.1	3.1	3.8	3.7	3.7	3.4	3.2	3.4							
12556 3.7	3.7	3.9	3.8	3.6	3.9	3.7	3.8/	3.9	4.0	3.8	3.9	3.5	3.7	3.8	3.2								
12558 3.6	3.1	3.6	3.7	3.9	3.7/	3.4	3.7	3.8	3.6	3.4	3.2	4.0	E										

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 11
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL FETAL WEIGHTS (G)

FETUS #		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAM #	MEAN	GROUP 1: 0.0 MG/KG/DAY																						
12561	3.1	3.2	3.2	3.4	3.0	3.2	3.0	3.5	3.1	3.4/	2.3	3.1	2.7	3.0	3.3	3.2	3.2	3.5	2.8					
MEAN	3.5																							
S.D.	0.3																							
N	27																							

E EARLY RESORPTION
L LATE RESORPTION
D DEAD FETUS
/ DENOTES POSITION OF CERVIX

TABLE 11

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. INDIVIDUAL FETAL WEIGHTS (G)

FETUS #		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAM #	MEAN	GROUP 2: C-661(1000MG/KG)																						
12423	3.6	3.3	3.7	3.4	3.5	3.4	3.4	3.4	3.7	3.6/	3.6	3.5	3.7	3.4	3.8	3.9								
12430	3.6	3.3	3.4	3.4	3.5	3.6	3.4	4.0	E /	4.2	4.0	3.8	3.5	3.9	3.7	3.2								
12440	3.8	3.4	3.8	3.9	3.8	3.6	E	3.9/	4.1	4.0	4.2	3.8	3.6	3.5	3.8	3.8	4.0							
12443	3.4	3.6	E	3.0	3.9/	3.2	3.5	3.3	3.3	3.5	3.4	3.3	3.7	E										
12449	3.0	2.1	3.5	2.8	3.0	3.3	3.5	2.9/	E	2.7	3.4	2.4	3.0											
12454	2.8	2.7	3.0	E	3.0	2.6/	3.3	3.0	3.1	2.5	2.9	2.2												
12456	3.7	3.6	3.7	3.8	E	3.9	E /	3.7	3.9	4.1	3.8	3.6	3.5	3.7	3.6	3.8	3.6							
12457	3.4	3.6	E	3.6	3.5/	3.8	3.3	E	3.2	3.6	3.1	3.1	3.2	3.0										
12469	3.7	3.5	3.7	3.2	3.5	3.5	3.8	3.9	3.5	3.5	3.6	4.0	4.1/	3.7	3.6	4.0	3.9	3.7	4.0	3.4				
12471	3.6	3.1	3.5	E	3.8	3.7	3.8	3.5/	3.6	3.6	3.6	3.7	4.0	3.6	3.4									
12477	3.6	3.5	3.7/	3.4	3.8	3.6	3.8	3.6																
12482	3.3	3.0	3.2	3.3	3.2	3.5	3.3	3.7/	3.4	3.2	E	3.4	3.2	3.0	3.6	3.3	3.3	3.0						
12489	3.3	3.4	3.5	3.3	3.6/	3.5	3.1	3.1	3.0	3.3	3.1	3.4	3.5	3.0	3.4	3.0								
12490	3.4	E	3.5	3.3	4.0	3.3	3.6/	E	3.2	3.1	3.7	3.4	3.4	3.1	3.8	3.4								
12492	3.7	3.6	3.5	3.9	3.4	3.8	3.9	3.9	3.9/	4.0	3.6	3.9	3.9	3.4	3.7									
12499	3.6	3.5	3.6	3.6	3.9	3.6	3.5	4.0/	3.8	3.5	3.6	3.4	3.8	3.6	3.6	2.8								
12504	4.1	4.1	4.0	3.9	4.1	3.8	4.3	3.9	4.1	4.2/	4.1	4.0	4.1	4.1	E	4.1	4.2	E						
12507	3.4	3.2	3.0	3.1	3.1	3.5	3.8	3.2	3.3/	3.6	3.2	3.5	3.4	3.6	3.9	3.6	3.3							
12515	3.9	3.5	4.0	3.5	E	3.7	3.9	4.0	4.2/	3.8	3.9	3.9	4.2	4.0	3.8									
12523	4.0	3.4	3.6	E	4.1	3.8/	4.3	4.0	4.0	4.0	4.5	E	4.0	4.0	4.0	3.7								
12524	3.5	3.4	3.5	3.5	3.4	3.6	3.8	3.7	3.5/	3.5	3.6	3.4	3.6	3.8	3.3	3.4								
12527	4.0	3.9	4.1	4.2	3.9	3.9/	4.1	4.1	4.0	4.1	3.8	4.3	4.1	E	3.6	4.0	3.7							
12531	3.7	3.4	3.6	3.7	3.4	3.8	3.8	3.8	3.7	3.3/	4.4	3.7	4.1	3.9	3.7	4.0	3.8	3.3						
12534	3.6	3.3	3.5	3.6	3.7	3.6	3.6	3.7/	3.6	3.8	3.6	3.8	3.7	3.5	3.8									
12535	3.4	3.6	3.3	3.7	3.5	3.3	3.1/	3.3	3.8	3.7	3.6	3.4	2.9											
12559	3.5	3.7	3.4	3.4	3.6	3.4	E /	3.6	3.5	3.6	3.6	3.5	3.6	3.7	3.4	3.2								

TABLE 11

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. INDIVIDUAL FETAL WEIGHTS (G)

FETUS #		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAM #	MEAN	GROUP 2: C-661(1000MG/KG)																						
12563	3.9	4.3	4.0	3.4	3.5	4.0	4.0	3.9	3.9/	3.9	4.3	4.4	3.8	4.0	3.9	3.6	3.7							
MEAN	3.6																							
S.D.	0.3																							
N	27																							

E EARLY RESORPTION
L LATE RESORPTION
D DEAD FETUS
/ DENOTES POSITION OF CERVIX

TABLE 11

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. INDIVIDUAL FETAL WEIGHTS (G)

FETUS #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAM # MEAN	GROUP 3: C-662(1000MG/KG)																						
12428 3.3	3.2	E	3.4	3.4	3.7	3.1	3.6	3.2	2.9/	3.4	3.4	E	3.4	3.4	3.3	3.3							
12431 3.8	4.0	3.8	3.9	3.7	4.0	E	4.1	3.8	4.0	3.8	3.5	3.6	3.9/	3.9	3.4	3.9	3.8	3.6					
12436 3.6	2.8	4.1	3.6	3.6	3.7	3.9/	3.9	3.5	3.4	3.4	3.5	3.8	3.7	3.6									
12442 3.8	3.9	4.0	3.8	4.1	3.0	3.1	3.9/	4.0	3.7	3.7	4.2	4.1	4.1	3.8	3.3	3.9							
12446 3.7	3.7	3.9	3.7	4.0	3.8	3.6/	3.6	3.6	3.8	3.9	3.6	3.7	3.6	3.9	4.0	3.8	3.1						
12451 3.7	3.8	4.1	3.6/	3.2	3.3	3.7	3.5	3.9	4.0	3.6	3.9	3.5	4.1	3.7									
12458 3.8	4.0	4.0	3.9	E	3.7	3.8/	4.0	3.8	3.8	3.9	3.6	3.8	3.7	3.9									
12464 3.5	3.5	3.6	3.0	2.6	3.3	3.4	3.2	3.8	3.4	3.9	3.7	3.5/	3.3	4.0	3.8	3.8	3.5	3.5					
12472 3.9	3.8	3.9	3.8	3.9	3.8	4.0	4.0	4.0/	4.4	3.8	4.1	4.3	4.1	3.8	3.5								
12479 3.8	3.4	3.5	4.0	2.8	4.4	3.8	4.1/	4.0	4.1	3.9	4.0	3.7											
12494 3.5	3.7	3.3	E	3.4	3.5	3.6/	3.5	3.2	E	3.5	3.6	3.5	3.3	3.6	3.4	3.4							
12500 3.7	3.5	3.8	4.0	3.7	3.9/	3.9	3.9	3.8	3.8	E	3.6	3.7	3.7	3.8	3.3								
12501 3.5	3.5	3.7	3.0	3.3	3.3	3.4	3.6	3.8/	3.7	3.5	4.0	3.6	3.4	3.3	3.4								
12505 3.9 /	4.0	4.0	3.8	4.0	3.8	3.7	4.1																
12509 3.4	3.4	3.4	3.1	3.1	3.3	3.5	3.7/	3.7	3.3	3.6	3.4	3.7	3.5	3.4	3.6	3.1							
12518 3.7	3.5	4.0	4.1	3.8	3.8	3.8	3.7/	3.7	3.4	3.9	3.7	3.7	3.3	E	3.7								
12519 3.7	2.9	4.0	3.7	3.3	3.8	3.8/	4.0	4.0	3.9	3.9	4.0	3.8	3.5	4.0	3.3	3.5	3.7						
12525 4.3 /	4.2	4.5	4.1																				
12529 3.6	3.6	3.7	3.7	3.6	4.0	3.8/	3.3	3.6	2.7	E	3.8	3.5	E	3.4	3.9	3.8							
12533 3.7	3.6	3.8	3.7	4.0	3.4	3.7	3.5	4.2/	3.7	3.5	E	3.5	3.6	3.9									
12549 3.6	3.4	3.6	3.9	3.9	3.9/	3.5	3.4	3.4	3.6	3.6	3.5	3.3	3.8	3.5	3.8	3.5	3.4						
12560 3.4	3.6	3.5	3.3	E	3.2	3.6	2.4/	3.4	3.7	3.4	3.2	3.5	3.5										
12564 3.4	3.3	3.3	3.3	3.7	3.8	3.3	3.4	3.4/	3.6	3.0	3.6	3.0	3.8	3.6	3.2								

MEAN 3.7
S.D. 0.2
N 23

E EARLY RESORPTION
L LATE RESORPTION
D DEAD FETUS
/ DENOTES POSITION OF CERVIX

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 11
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
INDIVIDUAL FETAL WEIGHTS (G)

FETUS #		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DAM #	MEAN	GROUP 4: C-663(1000MG/KG)																						
12427	3.8	3.9	3.9	3.9	3.9	3.8	3.8/	E	4.1	3.6	3.7	4.0	3.7	3.6										
12433	3.7	3.7	3.6	3.9/	3.8	3.5	3.6	3.3	3.9	4.1	3.7	3.9	3.5	3.7										
12438	3.3	3.1	3.5	3.4	3.3	3.4	3.2	3.4	3.6/	3.2	3.2	3.2	3.3	3.5	E	3.5	3.5	3.1	3.3	3.0				
12441	3.5	3.5	3.7	3.9	3.6	3.5/	3.7	3.7	3.2	3.4	3.6	3.4	3.5	3.6	3.3	3.6								
12444	3.7	3.6	3.6	3.8	4.0	4.0	3.8	3.8/	3.8	3.8	3.9	3.6	3.8	3.5	3.7	3.5								
12447	4.1	3.9	4.2	4.2	4.3	4.2	4.1	4.2	4.0/	4.1	4.3	3.8	4.1	4.4	3.8	3.9								
12452	3.6	3.6	3.4	3.8	3.3	3.2	3.7	3.9	E /	3.7	3.9	3.7	3.6	3.6	3.5	3.6								
12459	3.6	3.8	3.8	E	3.6	3.7	3.5	3.0/	3.4	3.4	3.6	3.6	3.8	3.9	3.8	3.6								
12465	3.9	1.7	3.6	4.1	4.2	3.9	4.0	4.4	4.3	4.3/	3.9	4.3	3.8	3.9	3.8	3.9								
12467	3.6	3.6	3.6	3.7	3.4	3.8	3.4	3.4	3.6/	4.0	4.0	3.4	3.5	3.9	3.4	3.5								
12474	3.7	3.8	3.9	4.0	3.7	3.8	3.6	3.6	3.3	4.1	3.9/	3.8	3.6	3.7	3.7	3.8	3.6							
12475	3.0	2.3	2.6	E	E	3.5/	3.3	E	3.3	E	L	3.0	E	E	3.1	2.7								
12481	3.6	E	3.6	4.2	3.9	3.5	3.6/	3.6	3.5	3.0	3.6	3.5	3.5	3.8	3.2	E								
12483	3.6	3.5	3.4	3.8	3.7	3.6	3.7	3.4	3.8	3.8	3.8/	3.6	E	3.6	3.9	3.5								
12491	3.5	3.6	3.8	E	2.7	3.6	3.6	3.7	3.5/	3.7	3.7	3.5	3.7	E	3.6	3.4								
12495	3.8	3.9	3.8	3.7	3.8	4.1	3.8/	3.5	3.7	3.7	3.7	3.7	3.7	4.0	3.4									
12502	3.7	3.7	3.6	3.8	3.6	3.5	3.5	3.8	4.0	4.0/	3.6	3.4	3.7	3.5	3.7	3.7								
12503	4.2	3.9	4.2	3.7	4.4/	4.7	4.0	4.2	4.5	4.5	4.5	4.3	4.3	3.8										
12508	3.6	3.8	3.7	3.8	3.5	3.8	3.6	3.9/	3.8	2.9	3.6	3.2	3.4	3.5	3.6	E	3.7	3.2						
12512	3.5	3.3	3.2	3.5	3.4	3.4	3.6	3.7/	3.9	3.6	3.2	4.1	3.5	3.8	3.5	3.2								
12513	3.1	2.8	3.5	E /	2.6	3.4	E	3.4																
12520	3.8	3.4	3.9	3.7	3.8	3.8	3.7	3.9	4.1/	3.7	3.7	3.8	3.9	4.2	3.8	3.6								
12530	3.4	3.8	3.4	3.4	3.3	3.6	3.2	3.3	3.1/	3.2	3.6	3.4	3.6	3.4	3.4	3.5	3.6							
12553	3.6	3.6	3.3	3.5	3.6/	3.6	3.6	3.7	3.5	E	3.4	3.7	3.7	3.8	3.2									
12554	3.8	4.2	3.8	3.6	E	4.1	4.1	3.8	3.7	4.1	4.0	3.4/	3.8	3.5	4.0	3.4	4.2	3.8	3.8	3.9				
12569	3.5	3.8	3.4	3.6	3.1	3.3	3.2	3.3	3.7	3.4	3.3/	3.6	3.8	3.5	3.4	3.4								
MEAN	3.6																							
S.D.	0.3																							
N	26																							

E EARLY RESORPTION
L LATE RESORPTION
D DEAD FETUS
/ DENOTES POSITION OF CERVIX

TABLE 12

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12425	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4		EARLY RESORPTION
	5		EARLY RESORPTION
	6		EARLY RESORPTION
	7	F	NO REMARKABLE OBSERVATIONS
	8		EARLY RESORPTION
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
12429	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12429	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
12434	1	M	NO REMARKABLE OBSERVATIONS
	2		EARLY RESORPTION
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9		EARLY RESORPTION
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14		EARLY RESORPTION
	15	F	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
12437	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12437	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
12439	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7		LATE RESORPTION CROWN-RUMP LENGTH 2.6 CM
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
	18	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12448	1	F	NO REMARKABLE OBSERVATIONS
	2		EARLY RESORPTION
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
12450	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4		EARLY RESORPTION
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
12453	1	F	NO REMARKABLE OBSERVATIONS
	2		EARLY RESORPTION

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12453	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
12455	1	M	NO REMARKABLE OBSERVATIONS
	2		EARLY RESORPTION
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12455	16	M	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
12461	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11		EARLY RESORPTION
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
12468	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12468	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
	18	F	NO REMARKABLE OBSERVATIONS
	19	F	NO REMARKABLE OBSERVATIONS
12476	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
12478	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12478	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7		EARLY RESORPTION
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
	17	M	NO REMARKABLE OBSERVATIONS
12485	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12430	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12440	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6		EARLY RESORPTION
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
12443	1	M	NO REMARKABLE OBSERVATIONS
	2		EARLY RESORPTION
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12443	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13		EARLY RESORPTION
12449	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8		EARLY RESORPTION
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
12454	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3		EARLY RESORPTION
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12454	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
12456	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4		EARLY RESORPTION
	5	F	NO REMARKABLE OBSERVATIONS
	6		EARLY RESORPTION
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
12457	1	M	NO REMARKABLE OBSERVATIONS
	2		EARLY RESORPTION
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7		EARLY RESORPTION

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12457	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
12469	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	M THREAD-LIKE TAIL WITH ANAL ATRESIA
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
	17	M	NO REMARKABLE OBSERVATIONS
	18	M	NO REMARKABLE OBSERVATIONS
	19	M	NO REMARKABLE OBSERVATIONS
12471	1	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12471	2	M	NO REMARKABLE OBSERVATIONS
	3		EARLY RESORPTION
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
12477	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
12482	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12482	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10		EARLY RESORPTION
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
12489	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12490	1		EARLY RESORPTION
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7		EARLY RESORPTION
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
12492	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12492	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
12499	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12504	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12504	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14		EARLY RESORPTION
	15	F	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
	17		EARLY RESORPTION
12507	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
12515	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12515	3	F	NO REMARKABLE OBSERVATIONS
	4		EARLY RESORPTION
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
12523	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3		EARLY RESORPTION
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11		EARLY RESORPTION
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12485	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
	17	M	NO REMARKABLE OBSERVATIONS
	18	M	NO REMARKABLE OBSERVATIONS
	19	F	NO REMARKABLE OBSERVATIONS
	20	M	NO REMARKABLE OBSERVATIONS
12486	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
12487	1		EARLY RESORPTION
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12487	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12496	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12496	16	M	NO REMARKABLE OBSERVATIONS
	17	M	NO REMARKABLE OBSERVATIONS
12506	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
12514	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
12517	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12

AN ORAL TERATOLOGY SCREENING STUDY IN RATS

GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12517	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
12521	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9		LATE RESORPTION CROWN-RUMP LENGTH 1.0 CM
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12522	1		EARLY RESORPTION
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11		EARLY RESORPTION
	12		EARLY RESORPTION
	13		EARLY RESORPTION
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
12528	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12528	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12532	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
12556	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12556	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
12558	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13		EARLY RESORPTION
12561	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SEX	FETAL GROSS OBSERVATION
12561	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
	18	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12423	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12430	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8		EARLY RESORPTION
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12524	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12527	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12527	13		EARLY RESORPTION
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
12531	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
12534	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12534	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
12535	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
12559	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12559	6		EARLY RESORPTION
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12563	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12428	1	M	NO REMARKABLE OBSERVATIONS
	2		EARLY RESORPTION
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	M THREAD-LIKE TAIL WITH ANAL ATRESIA
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12		EARLY RESORPTION
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
12431	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6		EARLY RESORPTION
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12431	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
	17	M	NO REMARKABLE OBSERVATIONS
	18	M	NO REMARKABLE OBSERVATIONS
12436	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	M BRACHYDACTYLY RIGHT FOREPAW, ALL DIGITS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
12442	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12442	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
12446	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12446	16	M	NO REMARKABLE OBSERVATIONS
	17	M	NO REMARKABLE OBSERVATIONS
12451	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
12458	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4		EARLY RESORPTION
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12459	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3		EARLY RESORPTION
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
12465	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

.TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12447	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12452	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8		EARLY RESORPTION
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12533	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11		EARLY RESORPTION
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
12549	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
	17	M	NO REMARKABLE OBSERVATIONS
12560	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12529	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	M MULTIPLE ANOMALIES VERTEBRAL AGENESIS FROM THE MID-THORACIC REGION THROUGH THE CAUDAL REGION; THREAD-LIKE TAIL AND ANAL ATRESIA SOFT-TISSUE EXAMINATION REVEALED: DIAPHRAGMATIC HERNIA; REDUCED NUMBER OF LIVER LOBES; UNASCENDED AND HYPOPLASTIC KIDNEYS; AND ABSENCE OF THE RECTUM
	10		EARLY RESORPTION
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13		EARLY RESORPTION
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
12533	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12518	13	F	NO REMARKABLE OBSERVATIONS
	14		EARLY RESORPTION
	15	F	NO REMARKABLE OBSERVATIONS
12519	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	M THREAD-LIKE TAIL WITH ANAL ATRESIA
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
	17	M	NO REMARKABLE OBSERVATIONS
12525	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
12529	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12509	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
12518	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12500	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12501	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
12505	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
12509	1	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12494	3		EARLY RESORPTION
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9		EARLY RESORPTION
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
	16	F	NO REMARKABLE OBSERVATIONS
12500	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10		EARLY RESORPTION
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS

ION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12472	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12479	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
12494	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12458	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
12464	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
	18	M	NO REMARKABLE OBSERVATIONS
12472	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

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TABLE 12

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AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12560	3	M	NO REMARKABLE OBSERVATIONS
	4		EARLY RESORPTION
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
12564	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12427	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7		EARLY RESORPTION
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
12433	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS

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TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12438	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14		EARLY RESORPTION
	15	M	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
	18	M	NO REMARKABLE OBSERVATIONS
	19	M	NO REMARKABLE OBSERVATIONS
12441	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS

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TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12441	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
12444	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12447	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12465	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
12467	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12474	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12474	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
12475	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3		EARLY RESORPTION
	4		EARLY RESORPTION
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7		EARLY RESORPTION
	8	F	NO REMARKABLE OBSERVATIONS
	9		EARLY RESORPTION
	10		LATE RESORPTION
			CROWN-RUMP LENGTH 1.3 CM
	11	F	NO REMARKABLE OBSERVATIONS
	12		EARLY RESORPTION
	13		EARLY RESORPTION
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12481	1		EARLY RESORPTION
	2	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12481	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15		EARLY RESORPTION
12483	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12		EARLY RESORPTION
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12483	15	M	NO REMARKABLE OBSERVATIONS
12491	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3		EARLY RESORPTION
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13		EARLY RESORPTION
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12495	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12495	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
12502	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS
12503	1	F	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12503	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
12508	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	F	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15		EARLY RESORPTION
	16	M	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
12512	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12512	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
12513	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3		EARLY RESORPTION
	4	F	NO REMARKABLE OBSERVATIONS
	5	F	NO REMARKABLE OBSERVATIONS
	6		EARLY RESORPTION
	7	F	NO REMARKABLE OBSERVATIONS
12520	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12520	8	M	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
12530	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	M	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	F	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS
	16	M	NO REMARKABLE OBSERVATIONS
12553	1	M	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12553	3	F	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9		EARLY RESORPTION
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	F	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
12554	1	M	NO REMARKABLE OBSERVATIONS
	2	M	NO REMARKABLE OBSERVATIONS
	3	F	NO REMARKABLE OBSERVATIONS
	4		EARLY RESORPTION
	5	M	NO REMARKABLE OBSERVATIONS
	6	M	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	F	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	M	NO REMARKABLE OBSERVATIONS
	11	M	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	M	NO REMARKABLE OBSERVATIONS
	14	M	NO REMARKABLE OBSERVATIONS
	15	F	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

TABLE 12
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
GROSS FETAL EXAMINATION AT TIME OF LAPAROTOMY

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SEX	FETAL GROSS OBSERVATION
12554	16	M	NO REMARKABLE OBSERVATIONS
	17	F	NO REMARKABLE OBSERVATIONS
	18	M	NO REMARKABLE OBSERVATIONS
	19	M	NO REMARKABLE OBSERVATIONS
12569	1	F	NO REMARKABLE OBSERVATIONS
	2	F	NO REMARKABLE OBSERVATIONS
	3	M	NO REMARKABLE OBSERVATIONS
	4	F	NO REMARKABLE OBSERVATIONS
	5	M	NO REMARKABLE OBSERVATIONS
	6	F	NO REMARKABLE OBSERVATIONS
	7	M	NO REMARKABLE OBSERVATIONS
	8	M	NO REMARKABLE OBSERVATIONS
	9	M	NO REMARKABLE OBSERVATIONS
	10	F	NO REMARKABLE OBSERVATIONS
	11	F	NO REMARKABLE OBSERVATIONS
	12	M	NO REMARKABLE OBSERVATIONS
	13	F	NO REMARKABLE OBSERVATIONS
	14	F	NO REMARKABLE OBSERVATIONS
	15	M	NO REMARKABLE OBSERVATIONS

OBSERVATION CODE: M=MALFORMATION, V=VARIATION

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TABLE 13

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. FETAL VISCERAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	VISCERAL OBSERVATION	GRADE
12425	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12429	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12434	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	15	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODERATE, RIGHT URETER	P
	17	NO REMARKABLE OBSERVATIONS	
12437	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	VISCERAL OBSERVATION	GRADE
12437	13	NO REMARKABLE OBSERVATIONS	
12439	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
	18	NO REMARKABLE OBSERVATIONS	
12448	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12450	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
12453	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. FETAL VISCERAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	VISCERAL OBSERVATION	GRADE
12453	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12455	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12461	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12468	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
	18	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	VISCERAL OBSERVATION	GRADE
12476	2	NO REMARKABLE OBSERVATIONS	
	4	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) RIGHT KIDNEY	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) RIGHT KIDNEY	P
		RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) LEFT	P
	14	NO REMARKABLE OBSERVATIONS	
12478	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
12485	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) DISTENDED URETER, LEFT	1
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13

PROJECT NO.:WIL-62002 AN ORAL TERATOLOGY SCREENING STUDY IN RATS

SPONSOR:CELANESE CORP. FETAL VISCERAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	VISCERAL OBSERVATION	GRADE
12485	17	NO REMARKABLE OBSERVATIONS	
	19	NO REMARKABLE OBSERVATIONS	
12486	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	V MISSHAPENED URETER	P
		LEFT URETER W-SHAPED WITH NARROW LUMEN	
	15	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S)	P
		MODERATE, LEFT URETER	
12487	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12496	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	VISCERAL OBSERVATION	GRADE
12506	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
12514	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
12517	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12521	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12522	2	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	VISCERAL OBSERVATION	GRADE
12522	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12528	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) LEFT URETER	1
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12532	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12556	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	VISCERAL OBSERVATION	GRADE
12556	14	NO REMARKABLE OBSERVATIONS	
12558	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
12561	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
	18	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12423	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12430	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12440	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	7	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODERATE, BOTH URETERS	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12443	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12443	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
12449	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
12454	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
12456	2	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) LEFT KIDNEY; URETERS DISTENDED MODERATE, BILATERAL	P
		RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) RIGHT	P
	5	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) RIGHT URETER	1
		RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) BILATERAL	P
	8	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) RIGHT URETER	1
	10	NO REMARKABLE OBSERVATIONS	
	12	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) URETERS, BILATERAL	2
		RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) LEFT	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12456	14	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) LEFT KIDNEY; LEFT URETER DISTENDED, SLIGHT	P
	16	NO REMARKABLE OBSERVATIONS	
12457	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	V UNDESCENDED TESTE(S) LEFT	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12469	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	CONFIRMATION OF THREAD-LIKE TAIL WITH ANAL ATRESIA ABSENCE OF RECTUM	P
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
	19	NO REMARKABLE OBSERVATIONS	
12471	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) DISTENDED URETER, LEFT	1
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12471	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12477	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
12482	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
12489	1	NO REMARKABLE OBSERVATIONS	
	3	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODERATE, BOTH URETERS	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12490	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12490	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12492	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12499	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12504	2	RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) RIGHT	P
		V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) RIGHT URETER	1
	4	M TESTICULAR HYPOPLASIA BILATERAL	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12504	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12507	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12515	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12523	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODERATE, LEFT URETER	P
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12524	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12527	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12531	1	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, BOTH URETERS	P
		RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) BILATERAL	P
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODERATE, RIGHT URETER	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12534	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12535	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, RIGHT URETER	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
12559	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODERATE, LEFT URETER	P
	14	NO REMARKABLE OBSERVATIONS	
12563	1	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, BOTH URETERS	P
		RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) BILATERAL	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12563	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12428	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, BOTH URETERS	P
	14	NO REMARKABLE OBSERVATIONS	
	16	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, LEFT URETER	P
12431	1	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
	18	NO REMARKABLE OBSERVATIONS	
12436	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODERATE, RIGHT URETER	P
12442	2	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12442	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12446	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12451	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12458	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	V MAJOR BLOOD VESSEL VARIATION NO BRACHIOCEPHALIC TRUNK; THE RIGHT CAROTID AND RIGHT	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
		SUBCLAVIAN ARISE INDEPENDENTLY FROM THE AORTIC ARCH	
12458	13	NO REMARKABLE OBSERVATIONS	
12464	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
	18	NO REMARKABLE OBSERVATIONS	
12472	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12479	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
12494	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12494	7	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODREATE, RIGHT URETER	P
12500	2	RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) RIGHT	P
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) RIGHT	P
12501	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12505	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12509	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12518	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODERATE, RIGHT URETER	P
	12	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12519	1	NO REMARKABLE OBSERVATIONS	
	3	V MAJOR BLOOD VESSEL VARIATION NO BRACHIOCEPHALIC TRUNK; THE RIGHT CAROTID AND RIGHT SUBCLAVIAN ARISE INDEPENDENTLY FROM THE AORTIC ARCH	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12525	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
12529	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12533	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12549	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) RIGHT	P
		V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, RIGHT URETER	P
	13	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12549	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
12560	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	M DIAPHRAGMATIC HERNIA ANTERIOR HEPATIC LOBE PROTRUDES INTO THORACIC CAVITY	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12564	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, RIGHT URETER	P
	10	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, BOTH URETERS	P
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12427	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
12433	1	NO REMARKABLE OBSERVATIONS	
	3	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) LEFT URETER, SLIGHT	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) LEFT URETER, SLIGHT	P
	11	NO REMARKABLE OBSERVATIONS	
	13	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) LEFT URETER, SLIGHT	P
12438	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
	19	NO REMARKABLE OBSERVATIONS	
12441	1	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12441	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) URETERS, BILATERAL, MODERATE	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12444	2	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, BOTH URETERS	P
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) MODERATE, RIGHT URETER	P
		RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) RIGHT	P
	14	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, BOTH URETERS	P
		RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) RIGHT	P
12447	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) RIGHT URETER, SLIGHT	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12447	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12452	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	V MAJOR BLOOD VESSEL VARIATION NO BRACHIOCEPHALIC TRUNK; THE RIGHT CAROTID AND RIGHT SUBCLAVIAN ARISE INDEPENDENTLY FROM THE AORTIC ARCH	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12459	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12465	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12467	1	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) SLIGHT, LEFT URETER	P
	3	NO REMARKABLE OBSERVATIONS	
	5	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) LEFT URETER, MODERATE	P
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12474	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12475	1	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12481	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12481	13	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) URETER, BILATERAL	1
12483	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12491	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12495	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12502	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12502	10	RENAL PAPILLA(E) NOT FULLY DEVELOPED (WOO AND HOAR GRADE 1) LEFT	P
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12503	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	V RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S) RIGHT KIDNEY	P
	13	NO REMARKABLE OBSERVATIONS	
12508	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
12512	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12513	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
12520	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12530	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12553	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 13
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL VISCERAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	VISCERAL OBSERVATION	GRADE
12554	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
	19	NO REMARKABLE OBSERVATIONS	
12569	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12425	2	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5 AND #6	P
		V STERNEBRA(E) #1,#2,#3 AND/OR #4 UNOSSIFIED #2 AND #4	P
	7	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	10	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	12	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5 AND #6	P
12429	2	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	4	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) LEFT	P
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12434	1	NO REMARKABLE OBSERVATIONS	
	4	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	6	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	8	V 14TH RUDIMENTARY RIB(S) BILATERAL	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

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TABLE 14

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12434	11	NO REMARKABLE OBSERVATIONS	
	13	V 14TH RUDIMENTARY RIB(S) LEFT	P
		V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	16	V 14TH RUDIMENTARY RIB(S) LEFT	P
12437	2	V STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE) #3, #4 AND #5	1
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
12439	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
12448	1	V 14TH RUDIMENTARY RIB(S) LEFT	P
	4	NO REMARKABLE OBSERVATIONS	
	6	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12448	8	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12450	1	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V 27 PRESACRAL VERTEBRAE	P
		V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #6	P
	3	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	6	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V 27 PRESACRAL VERTEBRAE	P
	8	V HYOID UNOSSIFIED	P
		V 27 PRESACRAL VERTEBRAE	P
		V 14TH RUDIMENTARY RIB(S) RIGHT	P
		V REDUCED OSSIFICATION OF THE SKULL	P
12453	3	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5 AND #6	P
	5	NO REMARKABLE OBSERVATIONS	
	7	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	9	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	11	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12453	13	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
12455	3	V STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE) #4, SLIGHT; #5, MODERATE	P
	5	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	7	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	9	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
12461	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12468	1	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V 14TH RUDIMENTARY RIB(S) LEFT	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12468	11	NO REMARKABLE OBSERVATIONS	
	13	V 14TH RUDIMENTARY RIB(S) LEFT	P
	15	V 14TH RUDIMENTARY RIB(S) LEFT	P
	17	V 14TH RUDIMENTARY RIB(S) LEFT	P
	19	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #6	P
		V 14TH RUDIMENTARY RIB(S) LEFT	P
12476	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12478	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12485	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	V 14TH RUDIMENTARY RIB(S) LEFT	P
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
	18	NO REMARKABLE OBSERVATIONS	
	20	NO REMARKABLE OBSERVATIONS	
12486	2	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	V 14TH RUDIMENTARY RIB(S) LEFT	P
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12487	2	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

.TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12487	10	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5 AND #6	P
	12	V 14TH RUDIMENTARY RIB(S) RIGHT	P
		V 27 PRESACRAL VERTEBRAE	P
	14	NO REMARKABLE OBSERVATIONS	
12496	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	NO REMARKABLE OBSERVATIONS	
12506	1	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	V 14TH RUDIMENTARY RIB(S) RIGHT	P
12514	1	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

PROJECT NO.:WIL-62002
SPONSOR:CELANESE CORP.

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12514	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12517	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	14	V 14TH RUDIMENTARY RIB(S) LEFT	P
12521	2	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	4	NO REMARKABLE OBSERVATIONS	
	6	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	8	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12522	3	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5 AND #6	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE) #2 THROUGH #4	1
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12528	1	NO REMARKABLE OBSERVATIONS	
	3	V 14TH RUDIMENTARY RIB(S) LEFT	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12532	1	V 14TH RUDIMENTARY RIB(S) LEFT	P
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12556	1	NO REMARKABLE OBSERVATIONS	
	3	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12556	13	V 14TH RUDIMENTARY RIB(S) LEFT	P
	15	NO REMARKABLE OBSERVATIONS	
12558	1	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	11	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
		V REDUCED OSSIFICATION OF THE VERTEBRAL ARCHES INTERRUPTED OSSIFICATION OF RIGHT CERVICAL ARCHES #1 THROUGH #4 AND LEFT CERVICAL ARCHES #1, #2 AND #4; LEFT CERVICAL ARCH #3 WITH A THREAD-LIKE PORTION OF OSSIFICATION	P
12561	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	V 14TH RUDIMENTARY RIB(S) LEFT	P
		V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	10	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5 AND #6	P
		V STERNEBRA(E) #1,#2,#3 AND/OR #4 UNOSSIFIED #2, #3, AND #4	P
		V HYOID UNOSSIFIED	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 1: 0.0 MG/KG/DAY	FETUS#	SKELETAL OBSERVATION	GRADE
12561	10	V PUBIS UNOSSIFIED BILATERAL	P
	12	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12423	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	V 14TH RUDIMENTARY RIB(S) LEFT	P
	12	V 14TH RUDIMENTARY RIB(S) LEFT	P
	14	V 14TH RUDIMENTARY RIB(S) RIGHT	P
12430	1	NO REMARKABLE OBSERVATIONS	
	3	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	10	V 14TH RUDIMENTARY RIB(S) LEFT	P
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12440	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12443	1	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	3	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	5	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	7	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	9	NO REMARKABLE OBSERVATIONS	
	11	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
12449	2	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	4	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	6	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	7	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	9	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	11	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5 AND #6	P
		V STERNEBRA(E) #1,#2,#3 AND/OR #4 UNOSSIFIED #2 AND #4	P
12454	1	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12454	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
12456	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V 14TH RUDIMENTARY RIB(S) LEFT	P
	11	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	13	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	15	NO REMARKABLE OBSERVATIONS	
12457	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	8	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	10	NO REMARKABLE OBSERVATIONS	
	12	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
12469	2	NO REMARKABLE OBSERVATIONS	
	4	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12469	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	V 14TH RUDIMENTARY RIB(S) LEFT	P
		V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	16	NO REMARKABLE OBSERVATIONS	
	18	NO REMARKABLE OBSERVATIONS	
12471	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12477	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
12482	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12489	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	12	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	14	NO REMARKABLE OBSERVATIONS	
12490	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	8	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12492	1	NO REMARKABLE OBSERVATIONS	
	3	V 14TH RUDIMENTARY RIB(S) LEFT	P
	5	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	13	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12499	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V 27 PRESACRAL VERTEBRAE	P
	8	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	10	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	12	V 14TH RUDIMENTARY RIB(S) LEFT	P
12504	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12507	2	NO REMARKABLE OBSERVATIONS	
	4	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12515	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12523	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	V 14TH RUDIMENTARY RIB(S) RIGHT	P
12524	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	V HYOID UNOSSIFIED	P
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12527	2	NO REMARKABLE OBSERVATIONS	
	4	V 14TH RUDIMENTARY RIB(S) LEFT	P
	5	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12527	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) LEFT	P
	15	V STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE) #4 AND #5	1
12531	2	NO REMARKABLE OBSERVATIONS	
	4	V STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE) #3 AND #4	1
	6	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	8	NO REMARKABLE OBSERVATIONS	
	10	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	12	V 14TH RUDIMENTARY RIB(S) LEFT	P
	14	NO REMARKABLE OBSERVATIONS	
	16	V 14TH RUDIMENTARY RIB(S) LEFT	P
12534	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12535	2	NO REMARKABLE OBSERVATIONS	
	4	V 14TH RUDIMENTARY RIB(S) LEFT	P
	6	NO REMARKABLE OBSERVATIONS	
	8	V 14TH RUDIMENTARY RIB(S) LEFT	P
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
12559	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	7	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	9	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
12563	2	V 14TH RUDIMENTARY RIB(S) LEFT	P
	4	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	V 14TH RUDIMENTARY RIB(S) BILATERAL	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 2: C-661(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12563	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12428	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	CONFIRMATION OF THREAD-LIKE TAIL SACRAL AND CAUDAL VERTEBRAE ARE ABSENT. THE 5TH LUMBAR VERTEBRAL CENTRA AND THE 6TH LUMBAR VERTEBRA ARE ABSENT. THE SPACE BETWEEN THE PELVIC GIRDLE BONES IS VERY NARROW.	P
	8	NO REMARKABLE OBSERVATIONS	
	10	V 14TH RUDIMENTARY RIB(S) LEFT	P
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12431	2	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	3	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
	17	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
12436	1	V 14TH RUDIMENTARY RIB(S) LEFT	P
		V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5 AND #6	P
	3	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12436	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #6	P
	11	CONFIRMATION OF BRACHYDACTLY ABSENCE OF PHALANGES AND NAILS, RIGHT FOREPAW	P
	13	NO REMARKABLE OBSERVATIONS	
12442	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12446	1	NO REMARKABLE OBSERVATIONS	
	3	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	5	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	7	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	9	NO REMARKABLE OBSERVATIONS	
	11	V 14TH RUDIMENTARY RIB(S) LEFT	P
	13	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12446	15	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	17	NO REMARKABLE OBSERVATIONS	
12451	2	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V 27 PRESACRAL VERTEBRAE	P
		V STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE) #3 THROUGH #5	1
	4	V 27 PRESACRAL VERTEBRAE	P
		V 14TH FULL RIB(S) BILATERAL	P
	6	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	8	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	10	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V 27 PRESACRAL VERTEBRAE	P
	12	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	14	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
12458	1	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	3	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	6	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12458	6	V 14TH RUDIMENTARY RIB(S) LEFT	P
	8	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	14	NO REMARKABLE OBSERVATIONS	
12464	1	NO REMARKABLE OBSERVATIONS	
	3	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	17	NO REMARKABLE OBSERVATIONS	
12472	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12479	2	NO REMARKABLE OBSERVATIONS	
	4	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
		V STERNEBRA(E) #1,#2,#3 AND/OR #4 UNOSSIFIED #2	P
		V 14TH RUDIMENTARY RIB(S) LEFT	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) RIGHT	P
12494	1	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	V 14TH RUDIMENTARY RIB(S) LEFT	P
	8	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	15	NO REMARKABLE OBSERVATIONS	
12500	1	NO REMARKABLE OBSERVATIONS	
	3	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	12	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12500	14	NO REMARKABLE OBSERVATIONS	
12501	2	NO REMARKABLE OBSERVATIONS	
	4	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	6	V 14TH RUDIMENTARY RIB(S) LEFT	P
	8	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	14	NO REMARKABLE OBSERVATIONS	
12505	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
12509	2	NO REMARKABLE OBSERVATIONS	
	4	V STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE) #3 THROUGH #5	1
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
12518	1	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12518	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE) #1, #2, #5	1
12519	2	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	4	CONFIRMATION OF THREAD-LIKE TAIL SACRAL AND CAUDAL VERTEBRAE ARE ABSENT. IN THE LUMBAR REGION THERE ARE ONLY 5 VERTEBRAE. THE SPACE BETWEEN PELVIC GIRDLE BONES IS VERY NARROW.	P
			P
	6	NO REMARKABLE OBSERVATIONS	
	8	V HYOID UNOSSIFIED	P
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	V 14TH RUDIMENTARY RIB(S) LEFT	P
	16	NO REMARKABLE OBSERVATIONS	
12525	2	NO REMARKABLE OBSERVATIONS	
12529	1	V 14TH RUDIMENTARY RIB(S) LEFT	P
	3	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12529	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	CONFIRMATION OF MULTIPLE ANOMALIES VERTEBRAL AGENESIS FROM THE 6TH CERVICAL THROUGH CAUDAL. CERVICAL VERTEBRAL CENTRAE FROM THE 1ST THROUGH 5TH ARE ABSENT CERVICAL VERTEBRAL ARCHES #4 AND #5 ARE SMALL IN SIZE AND MISSHAPEN. RIBS ABSENT WITH PRESENCE OF THE FIRST TWO COSTAL CARTILAGE ONLY. STERNEBRAE FUSED AND MALALIGNED.	P
	12	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12533	2	NO REMARKABLE OBSERVATIONS	
	4	V 14TH RUDIMENTARY RIB(S) LEFT	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12549	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12560	1	V 14TH RUDIMENTARY RIB(S) LEFT	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 3: C-662(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12560	3	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	12	NO REMARKABLE OBSERVATIONS	
12564	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12427	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
12433	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	V 14TH RUDIMENTARY RIB(S) LEFT	P
	8	V 14TH RUDIMENTARY RIB(S) LEFT	P
	10	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	12	NO REMARKABLE OBSERVATIONS	
12438	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	7	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	9	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5 AND #6	P
	11	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	13	NO REMARKABLE OBSERVATIONS	
	16	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

.TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12438	18	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
12441	3	V 14TH RUDIMENTARY RIB(S) LEFT	P
	4	NO REMARKABLE OBSERVATIONS	
	6	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	8	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) LEFT	P
	14	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
		V 14TH RUDIMENTARY RIB(S) LEFT	P
12444	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	V 14TH FULL RIB(S) LEFT, FULL; RIGHT, RUDIMENTARY	P
		V 27 PRESACRAL VERTEBRAE	P
	7	V 14TH FULL RIB(S) LEFT, FULL; RIGHT, RUDIMENTARY	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	V 14TH RUDIMENTARY RIB(S) LEFT	P
	15	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

.TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12447	2	NO REMARKABLE OBSERVATIONS	
	4	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	6	V 14TH FULL RIB(S) BILATERAL	P
		V 27 PRESACRAL VERTEBRAE	P
	8	NO REMARKABLE OBSERVATIONS	
	10	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	12	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	14	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
12452	1	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	3	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	5	NO REMARKABLE OBSERVATIONS	
	7	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	14	NO REMARKABLE OBSERVATIONS	
12459	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12459	9	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12465	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	10	V 14TH RUDIMENTARY RIB(S) LEFT	P
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12467	2	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	4	V 14TH RUDIMENTARY RIB(S) LEFT	P
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	12	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	14	NO REMARKABLE OBSERVATIONS	
12474	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12474	5	NO REMARKABLE OBSERVATIONS	
	7	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12475	2	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V BENT RIB(S) #4 THROUGH #11, BILATERAL	1
		V REDUCED OSSIFICATION OF THE SKULL INTERPARIETAL, PARIETAL	P
	6	NO REMARKABLE OBSERVATIONS	
	11	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V 27 PRESACRAL VERTEBRAE	P
	15	V 14TH RUDIMENTARY RIB(S) LEFT	P
		M STERNEBRA(E) MALALIGNED (SEVERE) #2 THROUGH #4 SEVERE MALALIGNED; #5 UNOSSIFIED; STERNEBRAL BANDS DISTINCT	P
12481	2	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	4	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	6	V 14TH RUDIMENTARY RIB(S) LEFT	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12481	8	NO REMARKABLE OBSERVATIONS	
	10	V 14TH RUDIMENTARY RIB(S) LEFT	P
	12	NO REMARKABLE OBSERVATIONS	
	14	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
12483	1	NO REMARKABLE OBSERVATIONS	
	2	NO REMARKABLE OBSERVATIONS	
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	NO REMARKABLE OBSERVATIONS	
	10	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12491	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	NO REMARKABLE OBSERVATIONS	
	14	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
12495	2	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	4	NO REMARKABLE OBSERVATIONS	
	6	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	8	NO REMARKABLE OBSERVATIONS	

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12495	10	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	12	NO REMARKABLE OBSERVATIONS	
	14	NO REMARKABLE OBSERVATIONS	
12502	1	NO REMARKABLE OBSERVATIONS	
	3	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12503	2	V 14TH RUDIMENTARY RIB(S) LEFT	P
	4	NO REMARKABLE OBSERVATIONS	
	6	NO REMARKABLE OBSERVATIONS	
	8	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	10	NO REMARKABLE OBSERVATIONS	
	12	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
12508	1	V 14TH RUDIMENTARY RIB(S) LEFT	P
		V 14TH FULL RIB(S) RIGHT	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12508	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	16	NO REMARKABLE OBSERVATIONS	
12512	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	7	NO REMARKABLE OBSERVATIONS	
	9	NO REMARKABLE OBSERVATIONS	
	11	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	13	NO REMARKABLE OBSERVATIONS	
	15	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
12513	2	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
12520	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	NO REMARKABLE OBSERVATIONS	
	9	V 14TH RUDIMENTARY RIB(S) BILATERAL	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12520	11	NO REMARKABLE OBSERVATIONS	
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12530	1	NO REMARKABLE OBSERVATIONS	
	3	NO REMARKABLE OBSERVATIONS	
	5	NO REMARKABLE OBSERVATIONS	
	7	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	9	V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	11	V 14TH RUDIMENTARY RIB(S) LEFT	P
	13	NO REMARKABLE OBSERVATIONS	
	15	NO REMARKABLE OBSERVATIONS	
12553	2	NO REMARKABLE OBSERVATIONS	
	4	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	6	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED #5	P
	8	NO REMARKABLE OBSERVATIONS	
	11	V 14TH RUDIMENTARY RIB(S) LEFT	P
	13	NO REMARKABLE OBSERVATIONS	
12554	1	V 14TH RUDIMENTARY RIB(S) BILATERAL	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12554	3	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
		V STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE) #2 THROUGH #5	1
	6	V 14TH RUDIMENTARY RIB(S) LEFT	P
	8	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	10	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	12	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	14	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	16	NO REMARKABLE OBSERVATIONS	
	18	V 14TH RUDIMENTARY RIB(S) RIGHT	P
		V 27 PRESACRAL VERTEBRAE	P
12569	2	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	4	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	6	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	8	V 14TH RUDIMENTARY RIB(S) BILATERAL	P
	10	V 14TH RUDIMENTARY RIB(S) RIGHT	P
	12	V 14TH RUDIMENTARY RIB(S) BILATERAL	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

.TABLE 14
AN ORAL TERATOLOGY SCREENING STUDY IN RATS
FETAL SKELETAL FINDINGS

DAMS FROM GROUP 4: C-663(1000MG/KG)	FETUS#	SKELETAL OBSERVATION	GRADE
12569	14	V 14TH RUDIMENTARY RIB(S) BILATERAL	P

GRADE CODE: 1-SLIGHT, 2-MODERATE, 3-MARKED, P-PRESENT M-MALFORMATION V-VARIATION

An Oral Teratology Screening Study in Rats

APPENDIX A

WIL HISTORICAL CONTROL DATA
(Charles River COBS® CD® Rats)

APPENDIX A

WIL HISTORICAL CONTROL DATA
CHARLES RIVER COBS CD RATS

SUMMARY OF MATERNAL AND FETAL OBSERVATIONS AT CESAREAN SECTION

WIL HISTORICAL CONTROL DATA

NO. OF ANIMALS IN THE HISTORICAL CONTROL:	528
NO. OF ANIMALS THAT DIED:	0
NO. OF ANIMALS THAT DELIVERED:	0
NO. OF ANIMALS EXAMINED AT CESAREAN SECTION:	528
NO. NONGRAVID:	58
NO. GRAVID:	470
NO.OF DAMS WITH ONLY RESORPTIONS:	1
NO.OF DAMS WITH LIVE FETUSES:	469
NO. OF LIVE FETUSES/DAM:	13.7 (11.9 - 15.0)
NO. OF POSTIMPLANTATION LOSSES/DAM:	0.6 (0.1 - 1.2)
NO. OF IMPLANTATION/DAM:	14.3 (12.8 - 15.5)
NO. OF CORPORA LUTEA/DAM:	16.2 (14.4 - 18.1)
FETAL SEX RATIO: MALE:FEMALE	3210:3218
MEAN FETAL BODY WEIGHT (G):	3.5 (3.3 - 3.9)

( ) - RANGE OF MEANS

APPENDIX A

WIL HISTORICAL CONTROL DATA - CHARLES RIVER COBS CD RATS

SUMMARY INCIDENCE OF MALFORMATIONS

TOTAL NUMBER OF LITTERS EXAMINED	469
TOTAL NUMBER OF FETUSES EXAMINED EXTERNALLY	6428
TOTAL NUMBER OF FETUSES EXAMINED VISCERALLY	3989
TOTAL NUMBER OF FETUSES EXAMINED SKELETALLY	4442

	NUMBER		PERCENT (RANGE)	
	FETUSES	LITTERS	FETUSES	LITTERS
EXTERNAL MALFORMATIONS				
AGNATHIA	1	1	(0.0- 0.4)	(0.0- 5.0)
ASYMMETRICAL SKULL	1	1	(0.0- 0.5)	(0.0- 7.1)
CARPAL AND/OR TARSAL FLEXURE	1	1	(0.0- 0.3)	(0.0- 4.0)
GASTROSCHISIS	1	1	(0.0- 0.3)	(0.0- 4.0)
OMPHALOCELE	4	4	(0.0- 0.4)	(0.0- 5.0)
EXENCEPHALY WITH OR WITHOUT OPEN EYE LID	1	1	(0.0- 0.3)	(0.0- 4.2)
MULTIPLE ANOMALIES	1	1	(0.0- 0.3)	(0.0- 4.3)
TAIL ANOMALY WITH OR WITHOUT ANAL ATRESIA	1	1	(0.0- 0.3)	(0.0- 4.3)
TOTAL NUMBER OF FETUSES WITH EXTERNAL MALFORMATIONS	10	10		
SOFT-TISSUE MALFORMATIONS				
ENCEPHALOMENINGOCELE	3	2	(0.0- 1.3)	(0.0- 5.0)
KIDNEY AND/OR URETER ABSENT	1	1	(0.0- 0.3)	(0.0- 4.5)
HEART AND/OR GREAT VESSEL ANOMALY	5	1	(0.0- 1.8)	(0.0- 5.0)
TOTAL NUMBER OF FETUSES WITH SOFT TISSUES MALFORMATIONS	9	4		

APPENDIX A

WIL HISTORICAL CONTROL DATA - CHARLES RIVER COBS CD RATS

SUMMARY INCIDENCE OF MALFORMATIONS

TOTAL NUMBER OF LITTERS EXAMINED	469
TOTAL NUMBER OF FETUSES EXAMINED EXTERNALLY	6428
TOTAL NUMBER OF FETUSES EXAMINED VISCERALLY	3989
TOTAL NUMBER OF FETUSES EXAMINED SKELETALLY	4442

	NUMBER		PERCENT (RANGE)	
	FETUSES	LITTERS	FETUSES	LITTERS
SKELETAL MALFORMATIONS				
VERTEBRAL ANOMALY WITH OR WITHOUT ASSOCIATED RIB ANOMALY	4	4	(0.0- 0.7)	(0.0- 5.0)
RIB ANOMALY	2	2	(0.0- 0.6)	(0.0- 4.8)
BENT LIMB BONE(S)	1	1	(0.0- 0.6)	(0.0- 4.5)
COSTAL CARTILAGE ANOMALY	1	1	(0.0- 0.6)	(0.0- 4.5)
STERNEBRA(E) MALALIGNED (SEVERE)	1	1	(0.0- 0.4)	(0.0- 5.0)
TOTAL NUMBER OF FETUSES WITH SKELETAL MALFORMATIONS	9	9		
TOTAL NUMBER OF FETUSES WITH MALFORMATIONS	23	18	0.4	3.8

APPENDIX A

WIL HISTORICAL CONTROL DATA - CHARLES RIVER COBS CD RATS

SUMMARY INCIDENCE OF FETAL VARIATIONS

TOTAL NUMBER OF LITTERS EXAMINED	469
TOTAL NUMBER OF FETUSES EXAMINED EXTERNALLY	6428
TOTAL NUMBER OF FETUSES EXAMINED VISCERALLY	3989
TOTAL NUMBER OF FETUSES EXAMINED SKELETALLY	4442

	NUMBER FETUSES	NUMBER LITTERS	PERCENT (RANGE) FETUSES	PERCENT (RANGE) LITTERS
EXTERNAL VARIATIONS				
FOCAL SUBCUTANEOUS HEMORRHAGE(S)	11	10	(0.0- 1.0)	(0.0- 13.6)
SOFT-TISSUE VARIATIONS				
RENAL PAPILLA(E) NOT DEVELOPED AND/OR DISTENDED URETER(S)	79	58	(0.0- 7.5)	(0.0- 31.8)
MAJOR BLOOD VESSEL VARIATION	6	6	(0.0- 1.1)	(0.0- 7.7)
DILATION OF THE ESOPHAGUS	2	2	(0.0- 1.8)	(0.0- 9.1)
HEMORRHAGIC KIDNEY(S)	16	7	(0.0- 10.5)	(0.0- 30.4)
DILATION OF THE BRAIN VENTRICLES	9	6	(0.0- 5.9)	(0.0- 26.1)
HEMORRHAGE IN THE MEMBRANE AND VITREOUS BODY	1	1	(0.0- 0.7)	(0.0- 4.3)
SKELETAL VARIATIONS				
STERNEBRA(E) #5 AND/OR #6 UNOSSIFIED	1152	340	(15.6- 36.6)	(52.2-100.0)
HYOID UNOSSIFIED	161	95	(0.0- 15.7)	(0.0- 45.0)
14TH RUDIMENTARY RIB(S)	131	83	(0.0- 10.8)	(0.0- 42.9)
STERNEBRA(E) #1,#2,#3 AND/OR #4 UNOSSIFIED	36	32	(0.0- 2.5)	(0.0- 22.7)
REDUCED OSSIFICATION OF THE 13TH RIB(S)	55	40	(0.0- 6.4)	(0.0- 22.7)
STERNEBRA(E) MALALIGNED(SLIGHT OR MODERATE)	37	29	(0.0- 4.3)	(0.0- 28.6)
REDUCED OSSIFICATION OF THE SKULL	43	26	(0.0- 7.7)	(0.0- 19.0)
14TH FULL RIB(S)	6	4	(0.0- 1.4)	(0.0- 7.1)
25 PRESACRAL VERTEBRAE	2	2	(0.0- 0.7)	(0.0- 5.0)
ENTIRE STERNUM UNOSSIFIED	3	3	(0.0- 0.7)	(0.0- 5.0)
METACARPAL(S) AND/OR METATARSAL(S) UNOSSIFIED	4	4	(0.0- 0.9)	(0.0- 9.1)
27 PRESACRAL VERTEBRAE	5	4	(0.0- 1.5)	(0.0- 9.1)
7TH CERVICAL RIB(S)	8	8	(0.0- 1.5)	(0.0- 9.1)
REDUCED OSSIFICATION OF THE VERTEBRAL ARCHES	5	4	(0.0- 1.9)	(0.0- 9.1)
PUBIS UNOSSIFIED	5	5	(0.0- 1.2)	(0.0- 8.3)
BENT RIB(S)	21	13	(0.0- 2.1)	(0.0- 9.5)
GENERAL REDUCED OSSIFICATION OF THE SKELETON	3	3	(0.0- 1.2)	(0.0- 8.0)
REDUCED OSSIFICATION OF THE ISCHIUM	1	1	(0.0- 0.3)	(0.0- 4.5)
REDUCED OSSIFICATION OF THE PELVIC GIRDLE	6	6	(0.0- 1.3)	(0.0- 14.3)
INTERRUPTED OSSIFICATION OF THE 13TH RIB(S)	1	1	(0.0- 0.6)	(0.0- 4.3)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Charles E. Moyer, Jr., Ph.D.
Director, Product Safety
Rhône-Poulenc Inc.
CN 7500
Cranberry, New Jersey 08512-7500

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MAY 0 8 1995

EPA acknowledges the receipt of information submitted by your organization under Section 8(e) of the Toxic Substances Control Act (TSCA). For your reference, copies of the first page(s) of your submission(s) are enclosed and display the TSCA §8(e) Document Control Number (e.g., 8EHQ-00-0000) assigned by EPA to your submission(s). Please cite the assigned 8(e) number when submitting follow-up or supplemental information and **refer to the reverse side of this page for "EPA Information Requests"** .

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U.S. Environmental Protection Agency
Washington, D.C. 20460-0001

EPA looks forward to continued cooperation with your organization in its ongoing efforts to evaluate and manage potential risks posed by chemicals to health and the environment.

Sincerely,

Terry R. O'Bryan

Terry R. O'Bryan
Risk Analysis Branch

Enclosure

12514A

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Triage of 8(e) Submissions

Date sent to triage: 12/14/95

Submission number: 12514A

NON-CAP (CAP)

TSCA Inventory: (Y) N (D)

Study type (circle appropriate):

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ECO AQUATO

Group 2 - Ernie Falke (1 copy total)

ATOX SBTOX SEN w/NEUR

Group 3 - Elizabeth Margosches (1 copy each)

STOX CTOX EPI (RTOX) GTOX

STOX/ONCO CTOX/ONCO IMMUNO CYTO NEUR

Other (FATE, EXPO, MET, etc.): _____

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Notes: 2-sided

Contractor reviewer : LPS **Date:** 4/14/95

CECATS\TRIAGE TRACKING DBASE ENTRY FORM

CECATS DATA:
Submission # 8EHQ- 1092 -12514 SEQ. A

TYPE: INT. SUPP FLWP

SUBMITTER NAME: Rhone - Poulenc Inc.

INFORMATION REQUESTED: FLWP DATE:
0501 NO INFO REQUESTED
0502 INFO REQUESTED (TECH)
0503 INFO REQUESTED (VOL ACTIONS)
0504 INFO REQUESTED (REPORTING RATIONALE)

DISPOSITION:
0639 REFER TO CHEMICAL SCREENING
0678 CAP NOTICE

VOLUNTARY ACTIONS:
0401 NO ACTION REPORTED
0402 STUDIES PLANNED/UNDERWAY
0403 NOTIFICATION OF WORKER/OTHERS
0404 LABEL/MSDS CHANGES
0405 PROCESS/HANDLING CHANGES
0406 APP./USE DISCONTINUED
0407 PRODUCTION DISCONTINUED
0408 CONFIDENTIAL

SUB. DATE: 10/27/92 OTS DATE: 10/30/92 CSRAD DATE: 02/24/95

CHEMICAL NAME:

	CAS#
TMPEOTA	28961-43-5
Glyceryl Propoxy Diacrylate	Unknown
GPTA	52408-84-1

INFORMATION TYPE:		P F C	INFORMATION TYPE:		P F C	INFORMATION TYPE:		P F C
0201	ONCO (HUMAN)	01 02 04	0216	EPI/CLIN	01 02 04	0241	IMMUNO (ANIMAL)	01 02 04
0202	ONCO (ANIMAL)	01 02 04	0217	HUMAN EXPOS (PROD CONTAM)	01 02 04	0242	IMMUNO (HUMAN)	01 02 04
0203	CELL TRANS (IN VITRO)	01 02 04	0218	HUMAN EXPOS (ACCIDENTAL)	01 02 04	0243	CHEM/PHYS PROP	01 02 04
0204	MUTA (IN VITRO)	01 02 04	0219	HUMAN EXPOS (MONITORING)	01 02 04	0244	CLASTO (IN VITRO)	01 02 04
0205	MUTA (IN VIVO)	01 02 04	0220	ECO/AQUA TOX	01 02 04	0245	CLASTO (ANIMAL)	01 02 04
0206	REPRO/TERATO (HUMAN)	01 02 04	0221	ENV. OCCC/REL/FATE	01 02 04	0246	CLASTO (HUMAN)	01 02 04
0207	REPRO/TERATO (ANIMAL)	01 02 04	0222	EMER INCI OF ENV CONTAM	01 02 04	0247	DNA DAM/REPAIR	01 02 04
0208	NEURO (HUMAN)	01 02 04	0223	RESPONSE REQEST DELAY	01 02 04	0248	PROD/USE/PROC	01 02 04
0209	NEURO (ANIMAL)	01 02 04	0224	PROD/COMP/CHEM ID	01 02 04	0251	MSDS	01 02 04
0210	ACUTE TOX. (HUMAN)	01 02 04	0225	REPORTING RATIONALE	01 02 04	0299	OTHER	01 02 04
0211	CHR. TOX. (HUMAN)	01 02 04	0226	CONFIDENTIAL	01 02 04			
0212	ACUTE TOX. (ANIMAL)	01 02 04	0227	ALLERG (HUMAN)	01 02 04			
0213	SUB ACUTE TOX (ANIMAL)	01 02 04	0228	ALLERG (ANIMAL)	01 02 04			
0214	SUB CHRONIC TOX (ANIMAL)	01 02 04	0239	METAB/PHARMACO (ANIMAL)	01 02 04			
0215	CHRONIC TOX (ANIMAL)	01 02 04	0240	METAB/PHARMACO (HUMAN)	01 02 04			

TRIAGE DATA:	NON-CBI INVENTORY	ONGOING REVIEW	SPECIES	TOXICOLOGICAL CONCERN:	USE:	PRODUCTION:
	YES	YES (DROP/REFER)	RAT	LOW - Mod		
CAS SR	NO	NO (CONTINUE)		MED		
	DETERMINE	REFER		HIGH		

COMMENTS

Teratology Screening Study - Rats - 3 cmpds.
Gavage 1000mg/kg/d GD 6-15
30 rats per group.

C-661 - 2 malformed fetuses ↓ mean maternal body wt gain

C-662 - 5 malformed fetuses ↓ mean maternal body wt gain

C-663 - one malformed fetus ↓ mean maternal body wt gain

CECATS\TRIAGE TRACKING DBASE ENTRY FORM

CECATS DATA:
Submission # 8EHQ- 0992 - 12565 SEQ. A

TYPE: INT SUPP FLWP

SUBMITTER NAME: Phillips Petroleum Company

SUB. DATE: 08/24/92 OTS DATE: 09/02/92 CSRAD DATE: 03/03/95

CHEMICAL NAME:

Phil - AD - CA

CAS#
15874-48-3
8008-20-6
none

INFORMATION REQUESTED: FLWP DATE:
0501 NO INFO REQUESTED
0502 INFO REQUESTED (TECH)
0503 INFO REQUESTED (VOL ACTIONS)
0504 INFO REQUESTED (REPORTING RATIONALE)

DISPOSITION:
0630 REFER TO CHEMICAL SCREENING
0670 CAP NOTICE

VOLUNTARY ACTIONS:
0401 NO ACTION REPORTED
0402 STUDIES PLANNED/UNDERWAY
0403 NOTIFICATION OF WORKER/CUSTOMERS
0404 LABEL/MSDS CHANGES
0405 PROCESS/HANDLING CHANGES
0406 APP/USE DISCONTINUED
0407 PRODUCTION DISCONTINUED
0408 CONFIDENTIAL

INFORMATION TYPE:		P F C
0201	ONCO (HUMAN)	01 02 04
0202	ONCO (ANIMAL)	01 02 04
0203	CELL TRANS (IN VITRO)	01 02 04
0204	MUTA (IN VITRO)	01 02 04
0205	MUTA (IN VIVO)	01 02 04
0206	REPRO/TERATO (HUMAN)	01 02 04
0207	REPRO/TERATO (ANIMAL)	01 02 04
0208	NEURO (HUMAN)	01 02 04
0209	NEURO (ANIMAL)	01 02 04
0210	ACUTE TOX. (HUMAN)	01 02 04
0211	CHR. TOX. (HUMAN)	01 02 04
0212	ACUTE TOX. (ANIMAL)	01 02 04
0213	SUB ACUTE TOX (ANIMAL)	01 02 04
0214	SUB CHRONIC TOX (ANIMAL)	01 02 04
0215	CHRONIC TOX (ANIMAL)	01 02 04

INFORMATION TYPE:		P F C
0216	EPI/CLIN	01 02 04
0217	HUMAN EXPOS (PROD CONTAM)	01 02 04
0218	HUMAN EXPOS (ACCIDENTAL)	01 02 04
0219	HUMAN EXPOS (MONITORING)	01 02 04
0220	ECO/AQUA TOX	01 02 04
0221	ENV. OCCC/REL/FATE	01 02 04
0222	EMER INCI OF ENV CONTAM	01 02 04
0223	RESPONSE REQEST DELAY	01 02 04
0224	PROD/COMP/CHEM ID	01 02 04
0225	REPORTING RATIONALE	01 02 04
0226	CONFIDENTIAL	01 02 04
0227	ALLERG (HUMAN)	01 02 04
0228	ALLERG (ANIMAL)	01 02 04
0239	METAB/PHARMACO (ANIMAL)	01 02 04
0240	METAB/PHARMACO (HUMAN)	01 02 04

INFORMATION TYPE:		P F C
0241	IMMUNO (ANIMAL)	01 02 04
0242	IMMUNO (HUMAN)	01 02 04
0243	CHEM/PHYS PROP	01 02 04
0244	CLASTO (IN VITRO)	01 02 04
0245	CLASTO (ANIMAL)	01 02 04
0246	CLASTO (HUMAN)	01 02 04
0247	DNA DAM/REPAIR	01 02 04
0248	PROD/USE/PROC	01 02 04
0251	MSDS	01 02 04
0299	OTHER	01 02 04

Btox

TRIAGE DATA:	NON-CBI INVENTORY	ONGOING REVIEW	SPECIES	TOXICOLOGICAL CONCERN:	USE:	PRODUCTION:
	YES	YES (DROP/REFER)	RBT	LOW - Mod		
CAS SR	NO	NO (CONTINUE)	RAT	MED		
	IN TRANSIT	REFER		HIGH		

COMMENTS:
Testicular Toxicity Study - rats/rabbits - dermal application
Antimony & Kerosene
0.25, 0.1, 0.025, 0 ml/kg

All effects were completely reversible by end of study
irritant / testicular atrophy
More testicular effects in rabbits